

FIG.1

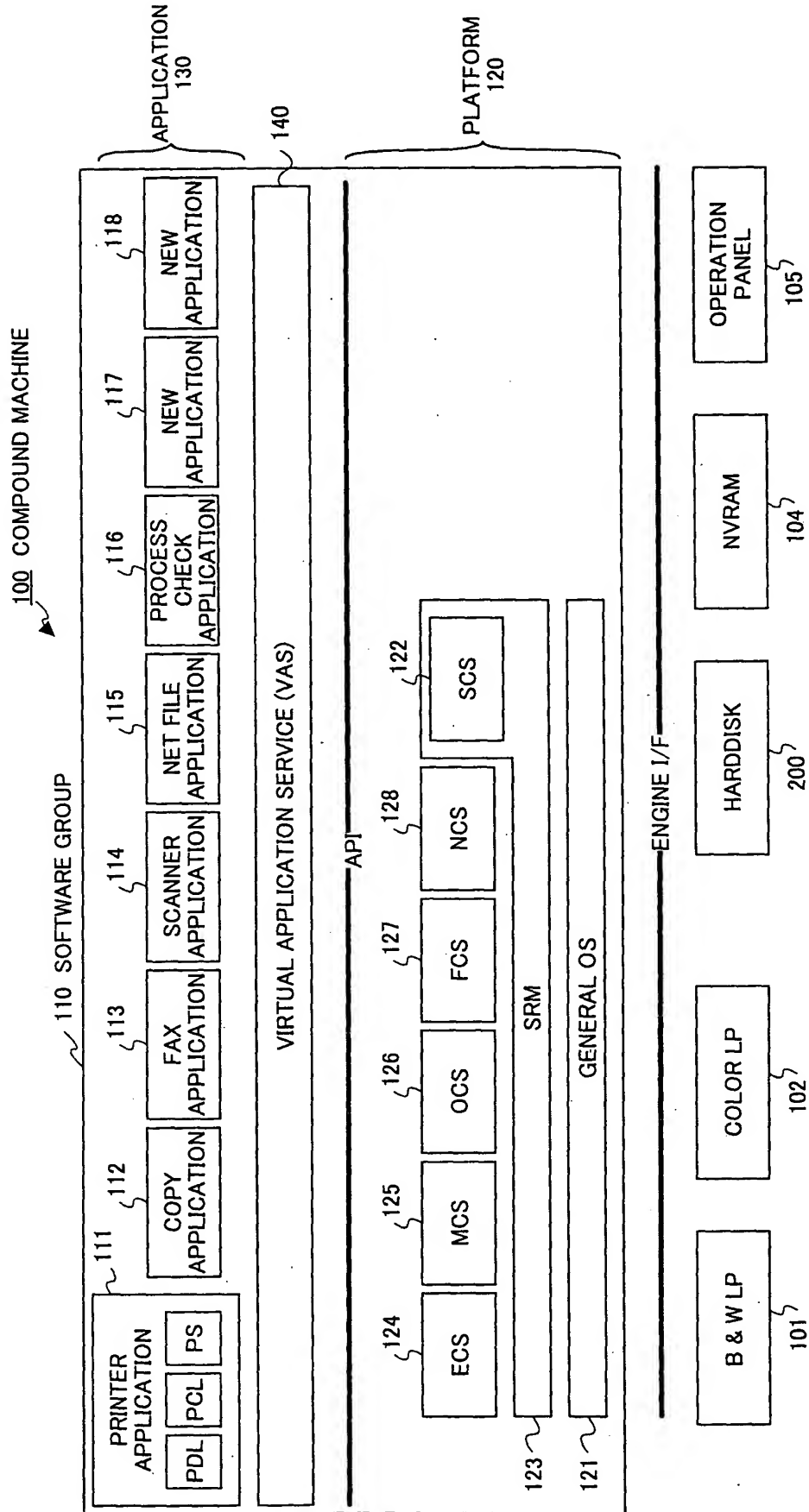


FIG.2

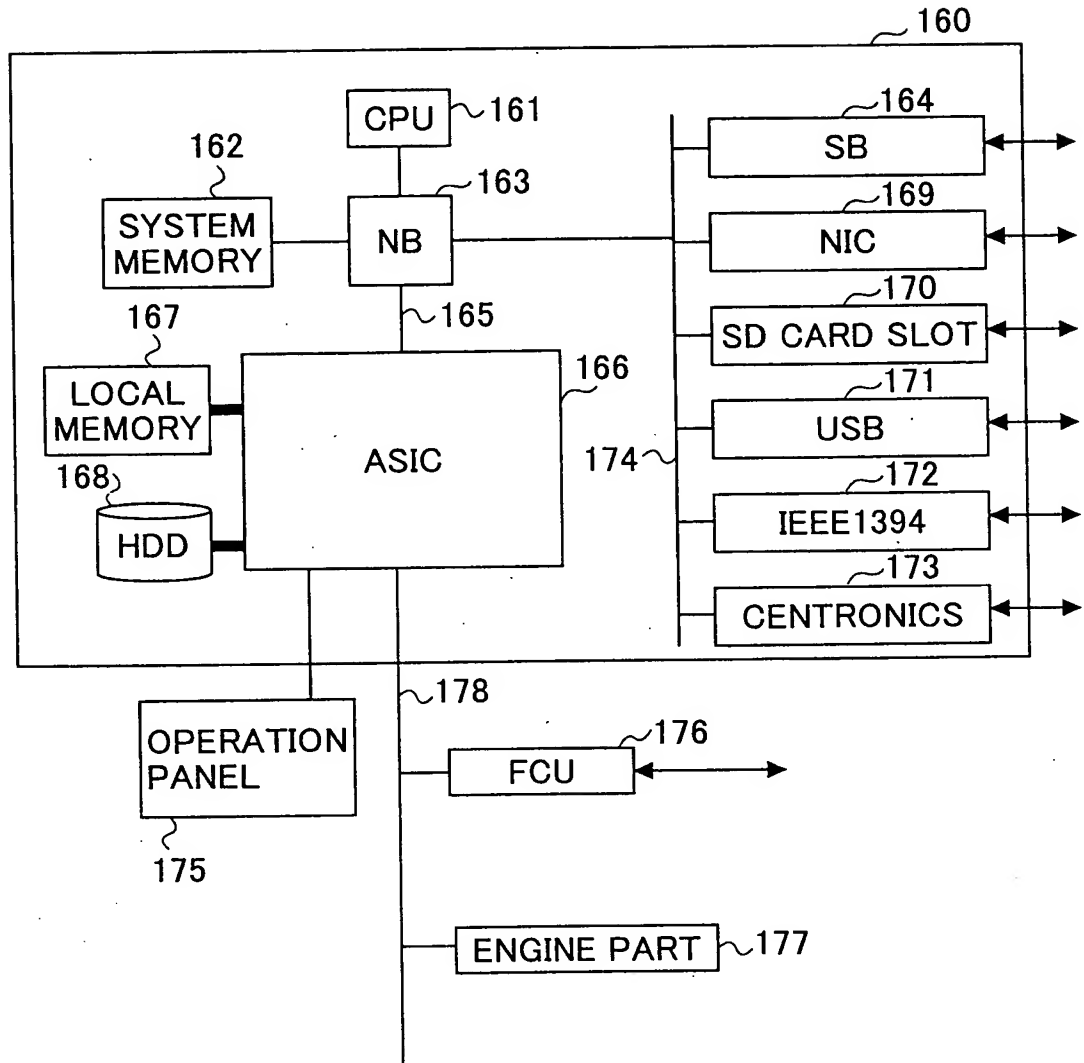


FIG.3

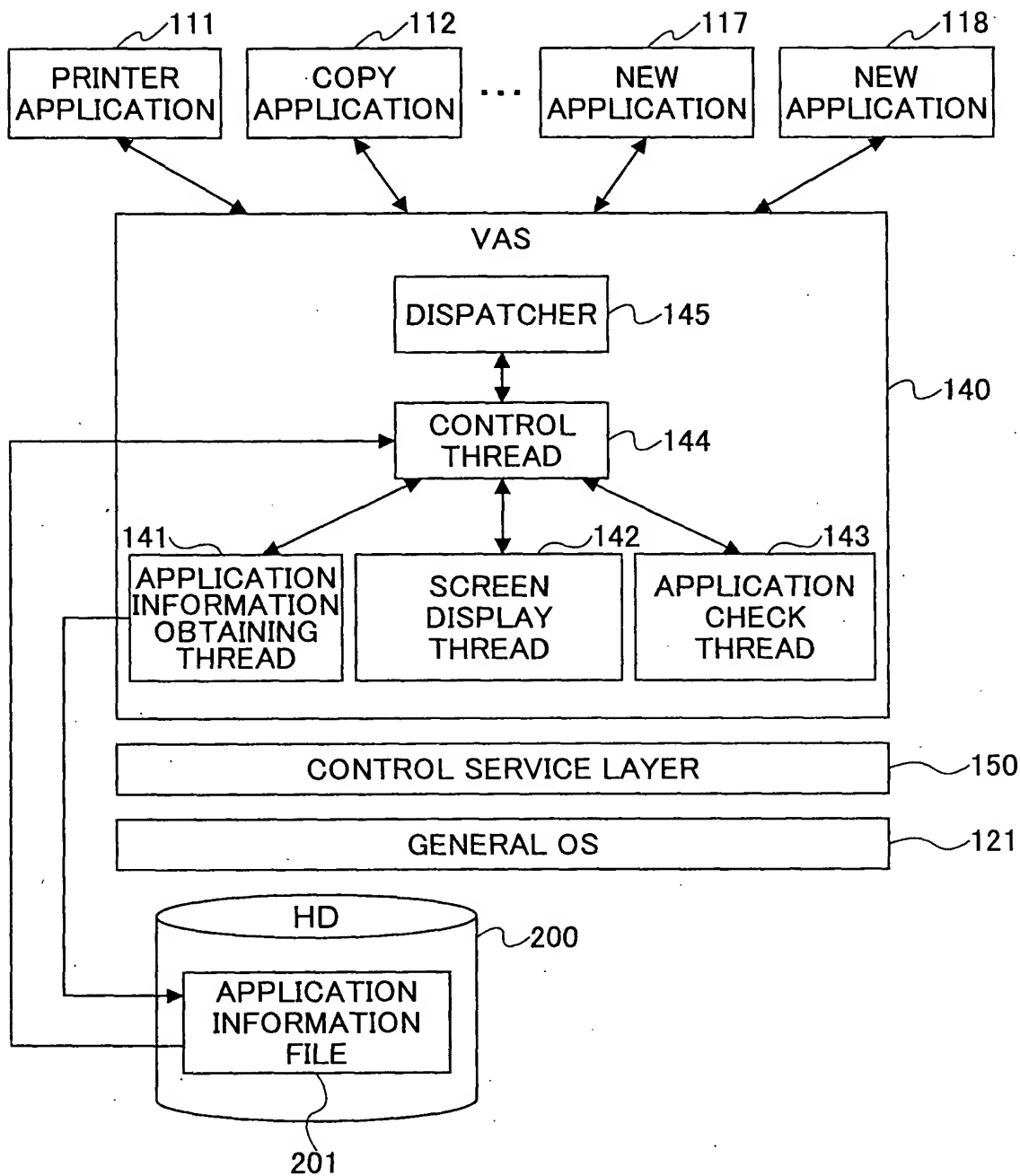


FIG.4

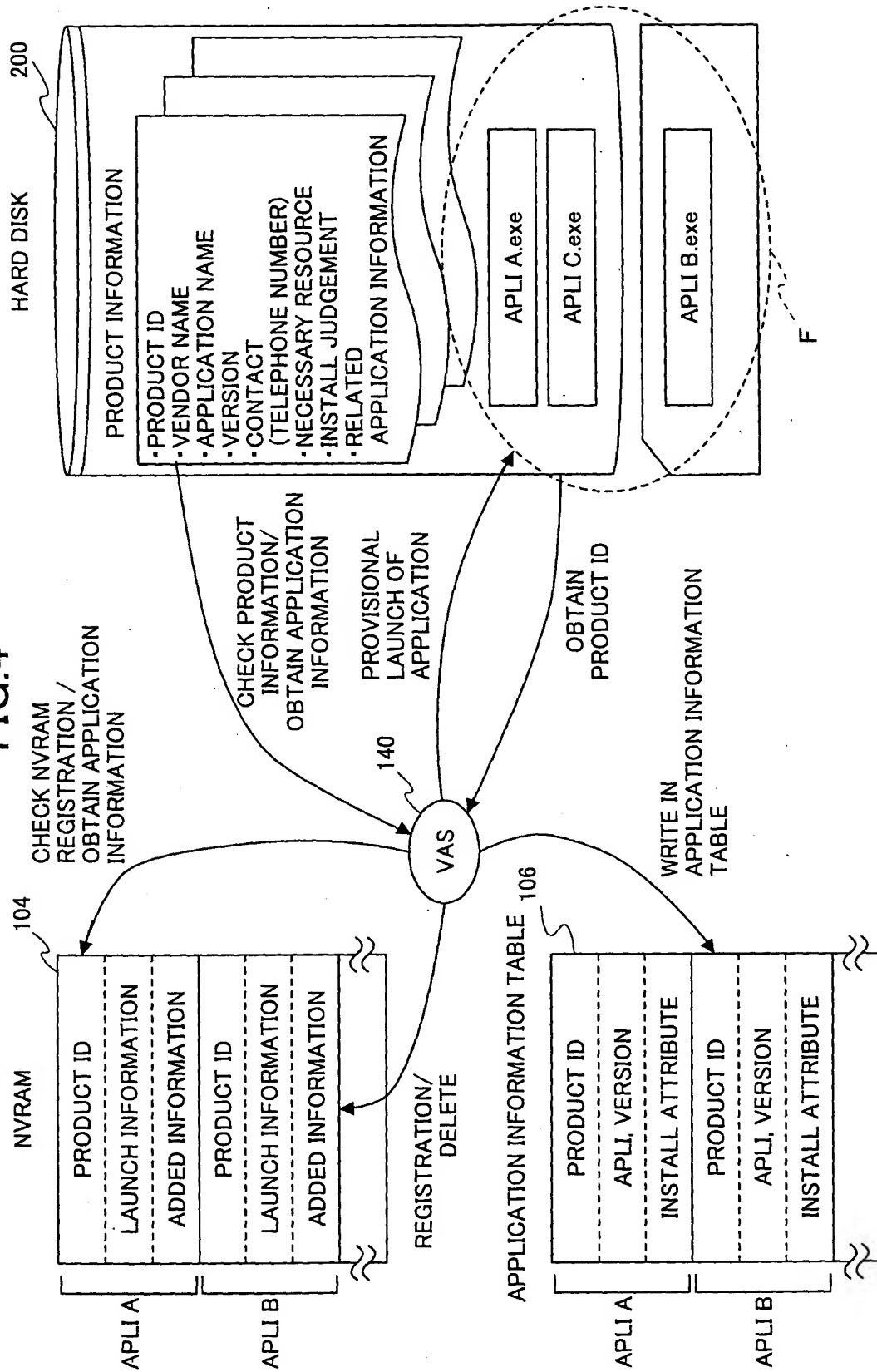


FIG.5

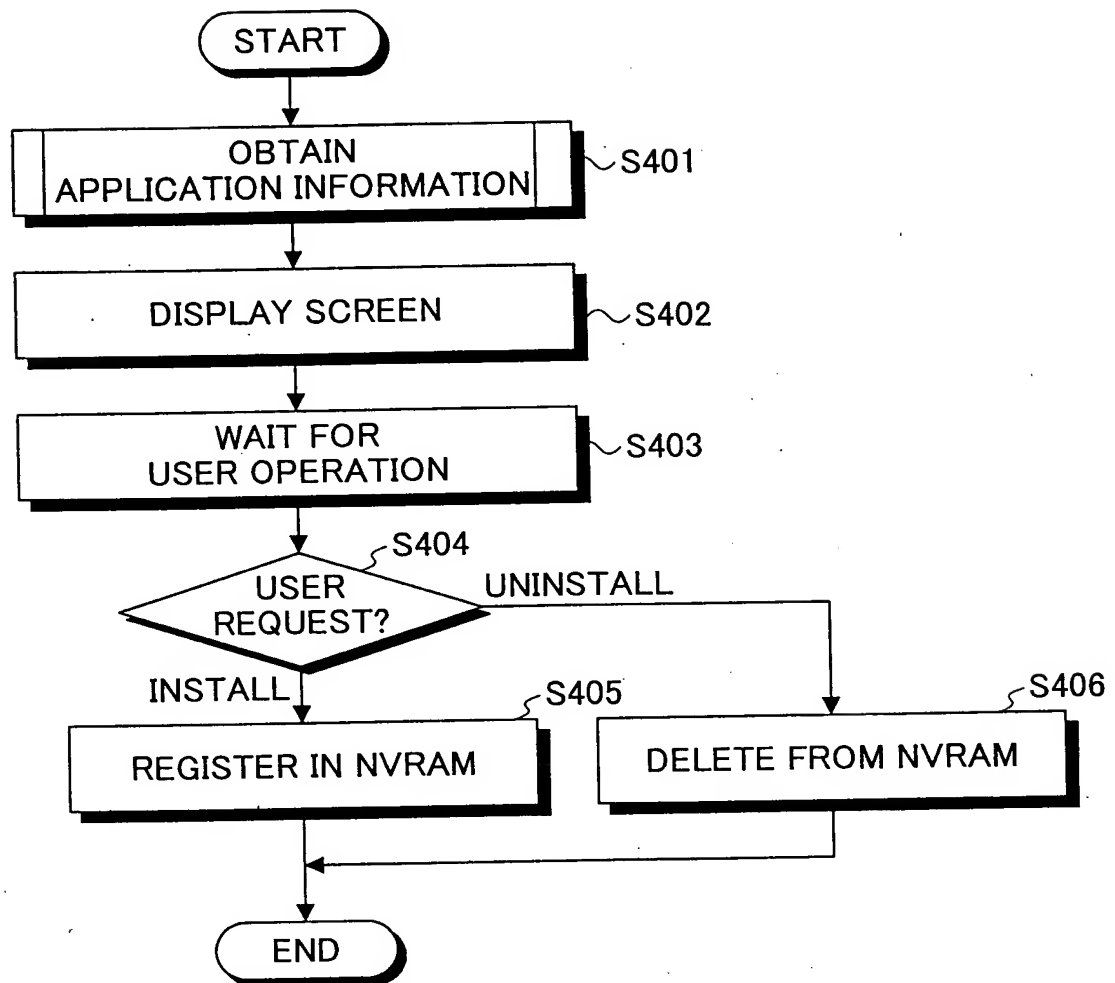


FIG.6

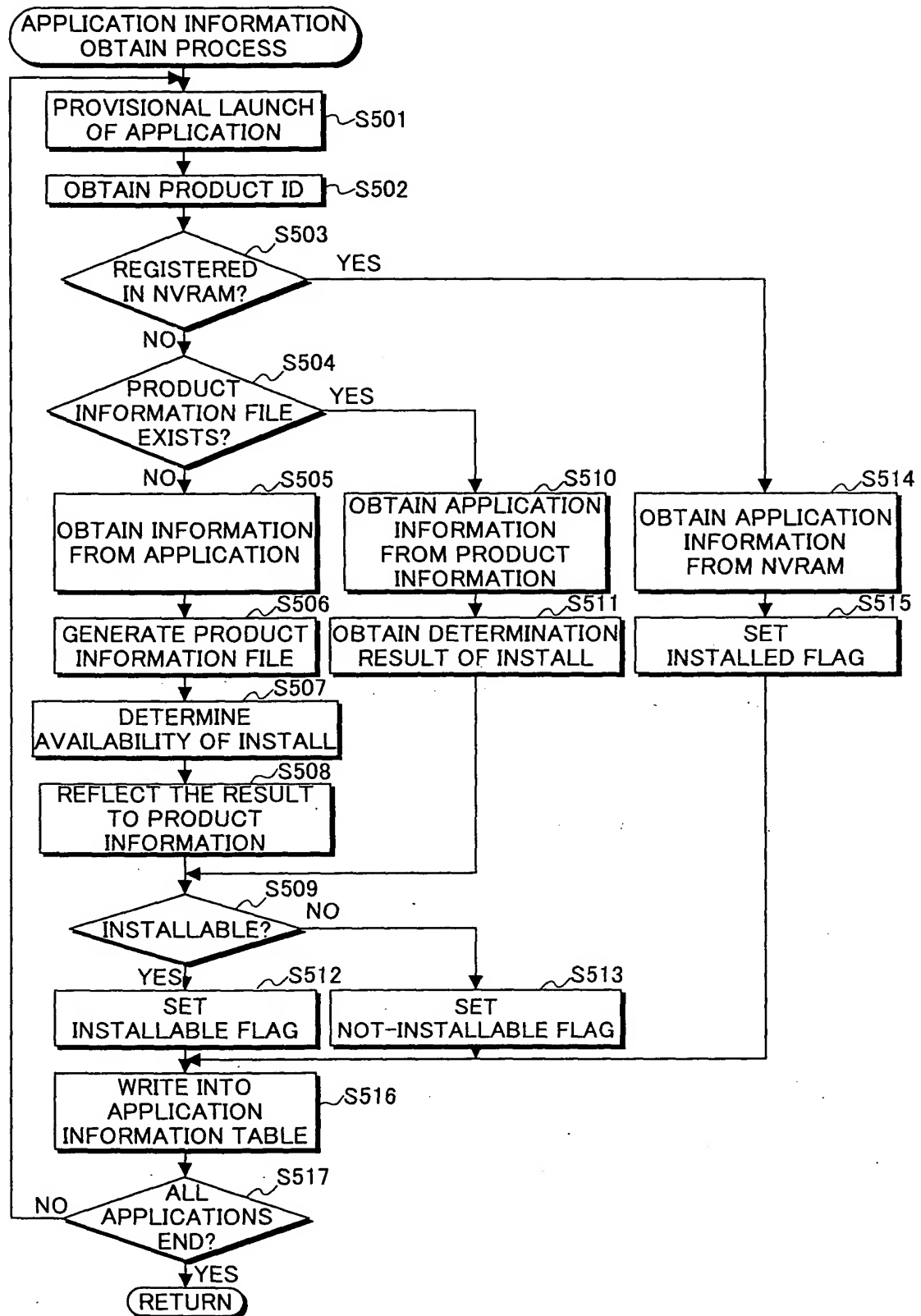


FIG.7

```
int main(int argc, char argv)
{
    if(argc==2) {
        if(strcmp(argv[1], "-v")==0)
            //EXECUTE TENTATIVE LAUNCH
            if(ConnectVAS()==OK){ //PREPARE COMMUNICATION WITH VAS
                SetApplInfo(); //PROVIDING APPLICATION INFORMATION
                Close //END OF COMMUNICATION
            }
        exit(1)
    }
    }
    NORMAL LAUNCH PROCESSING
}
```

FIG.8

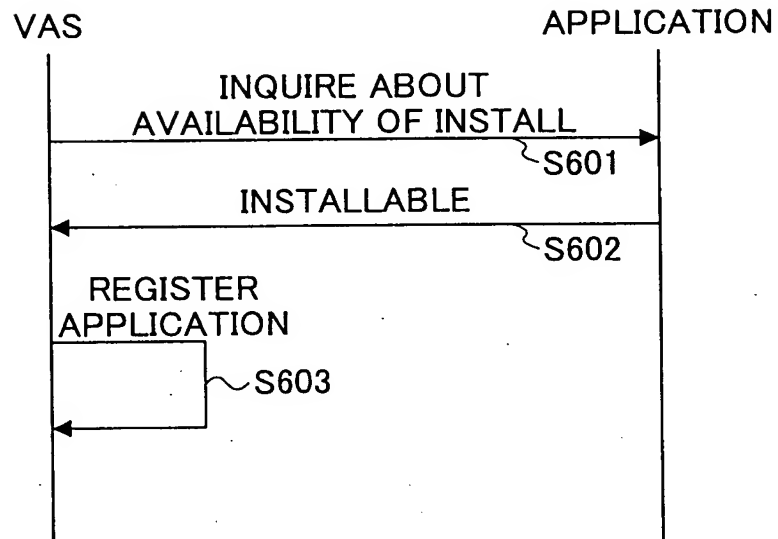


FIG.9

FILE COPY INSTALL SWITCH KEY SETTING LAUNCH SETTING UNINSTALL SET

PLEASE INPUT ID AND PASSWORD

ID password

OK CANCEL

Next

OK CANCEL EXIT

210

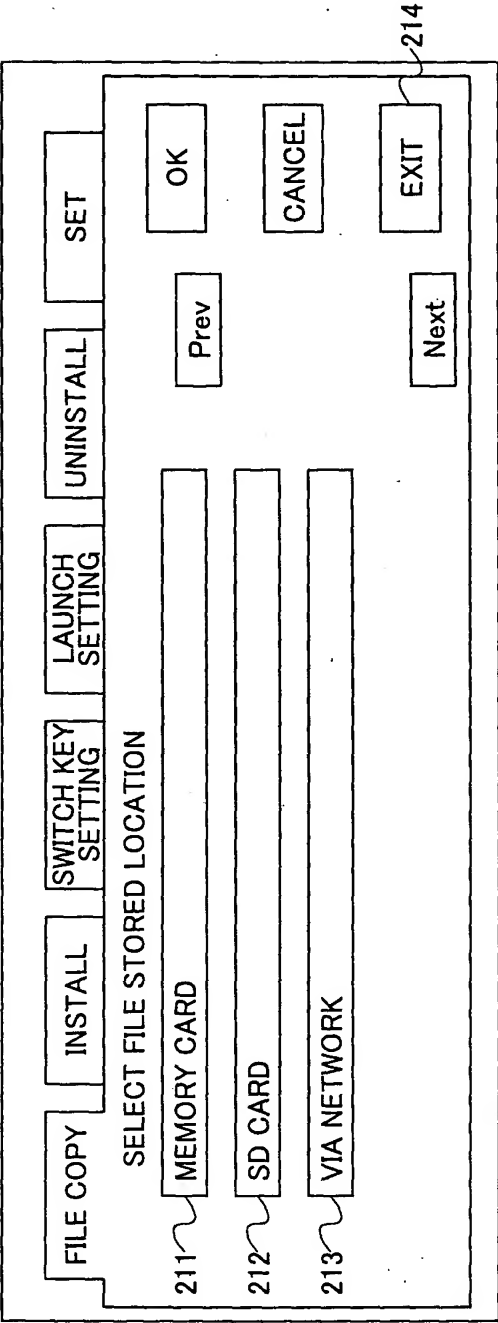


FIG. 10A

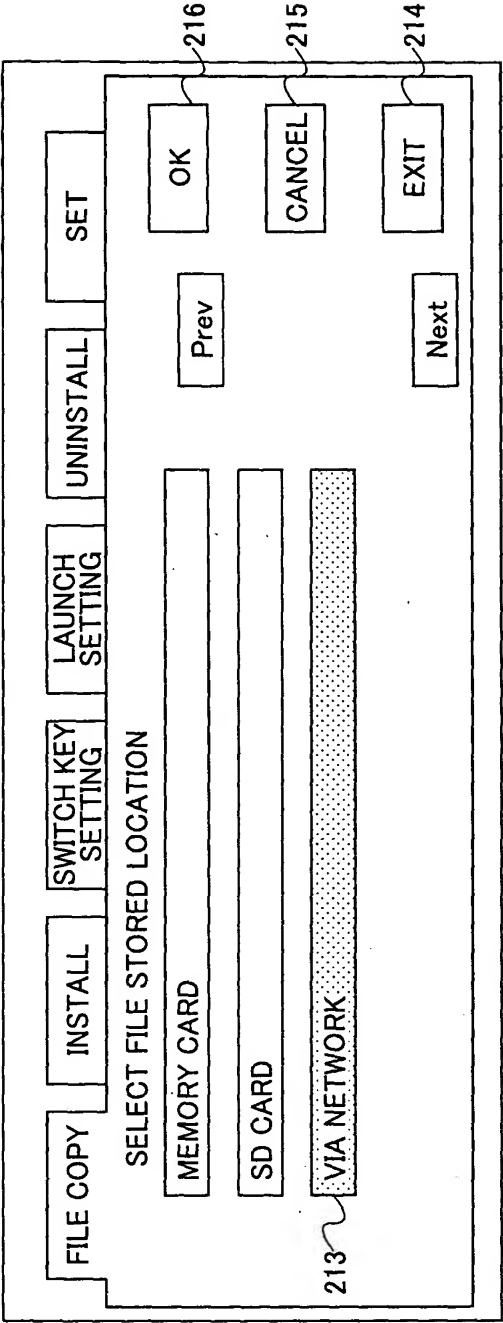


FIG. 10B

FIG.11A

217

http://www.abcde.co.jp/ _

<- ->

BACK

ALL DELETE

1	2	3	4	5	6	7	8	9	0	-
q	w	e	r	t	y	u	i	o	p	@
a	s	d	f	g	h	j	k	l	:	:
z	x	c	v	b	n	m	.	.	.	/

CANCEL

OK

218 219

FIG.11B

217

home/applications/ _

<- ->

BACK

ALL DELETE

1	2	3	4	5	6	7	8	9	0	-
q	w	e	r	t	y	u	i	o	p	@
a	s	d	f	g	h	j	k	l	:	:
z	x	c	v	b	n	m	.	.	.	/

CANCEL

OK

218 219

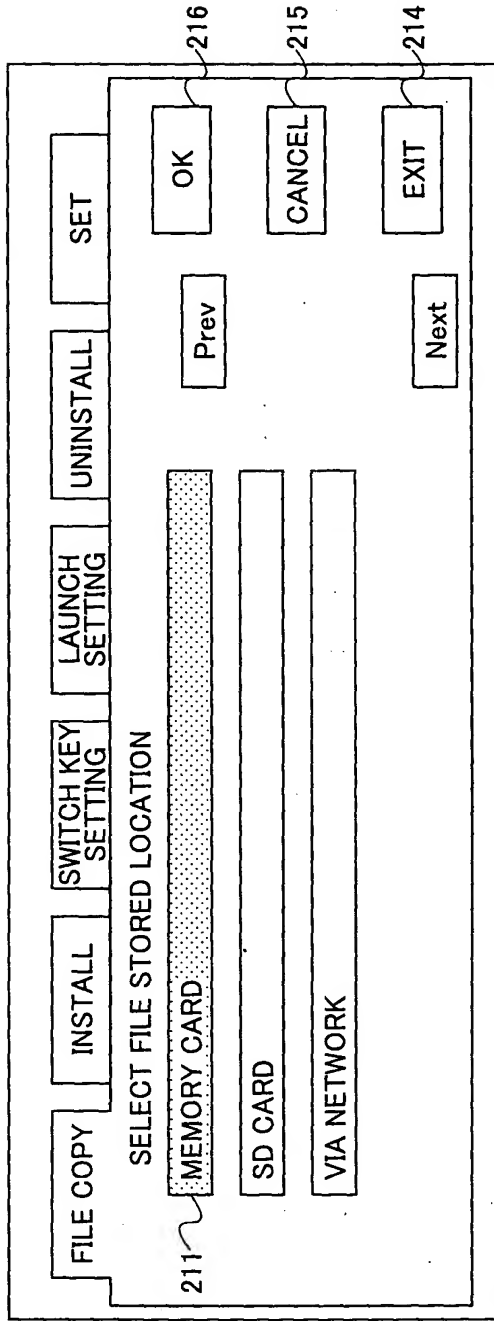


FIG. 12A

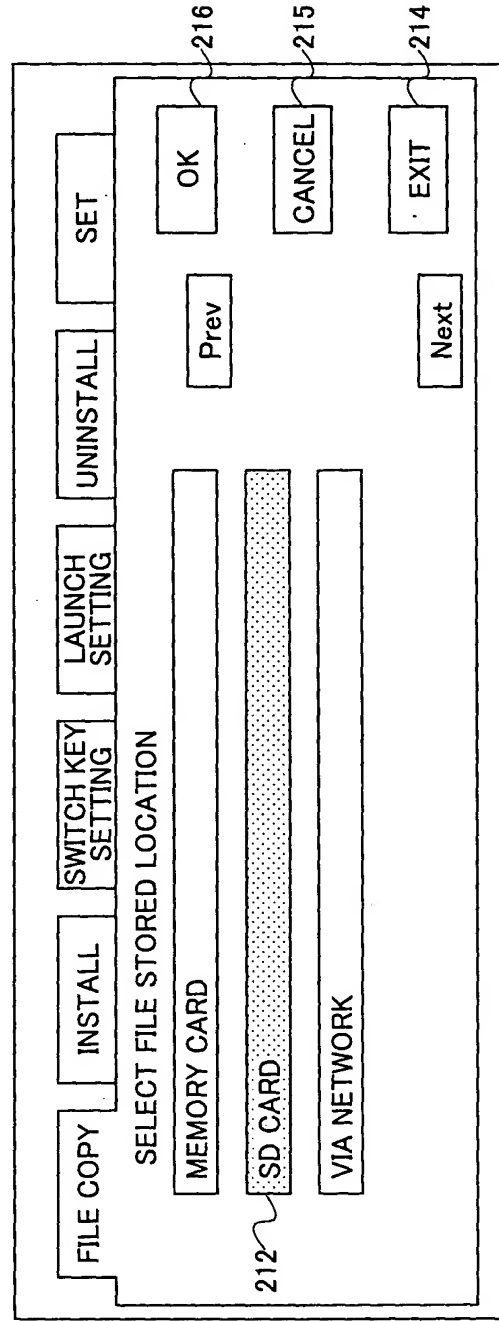


FIG. 12B

FIG.13A

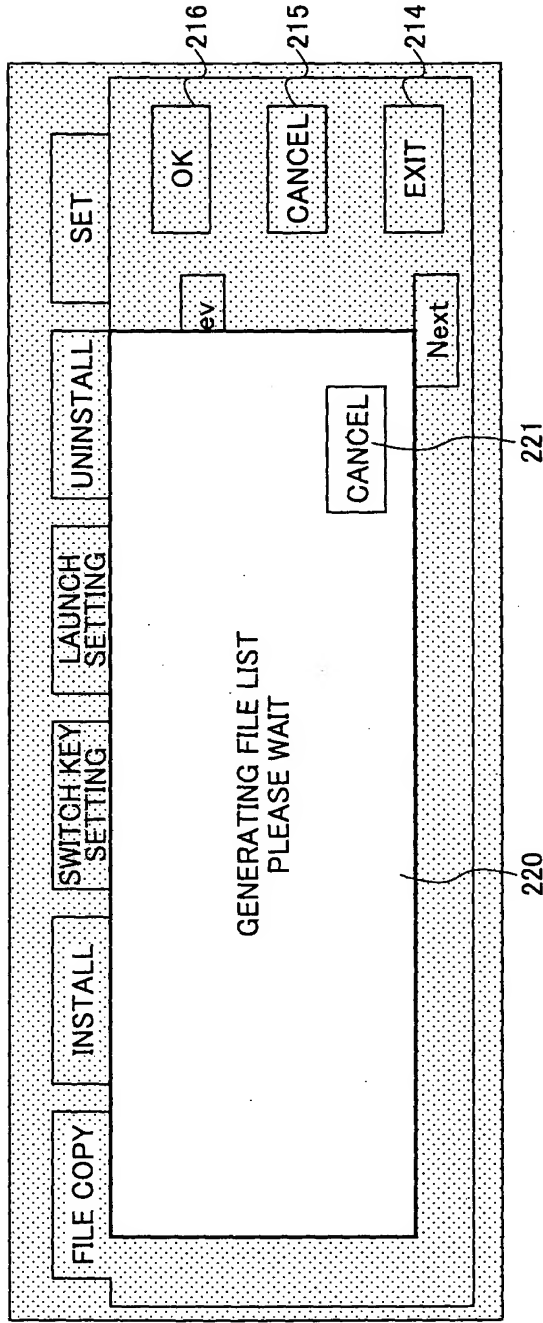


FIG.13B

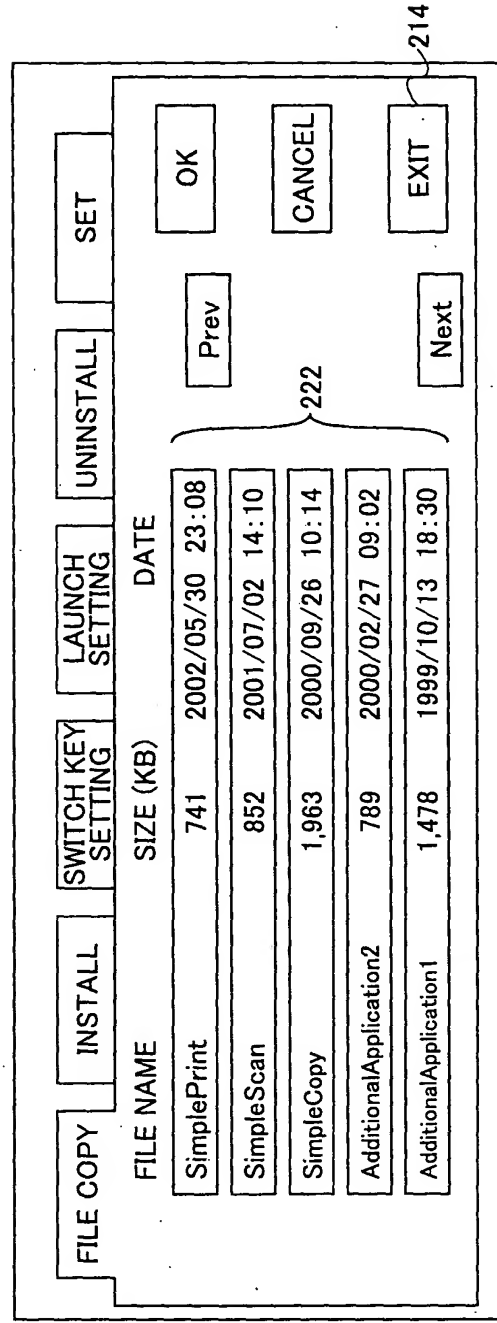


FIG. 14A

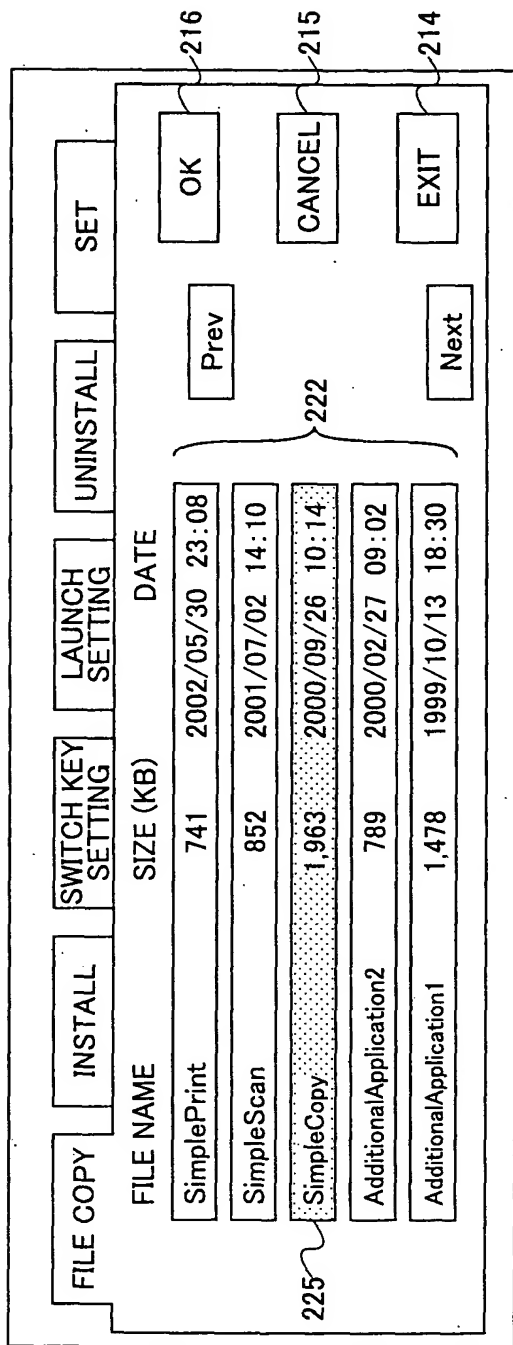


FIG. 14B

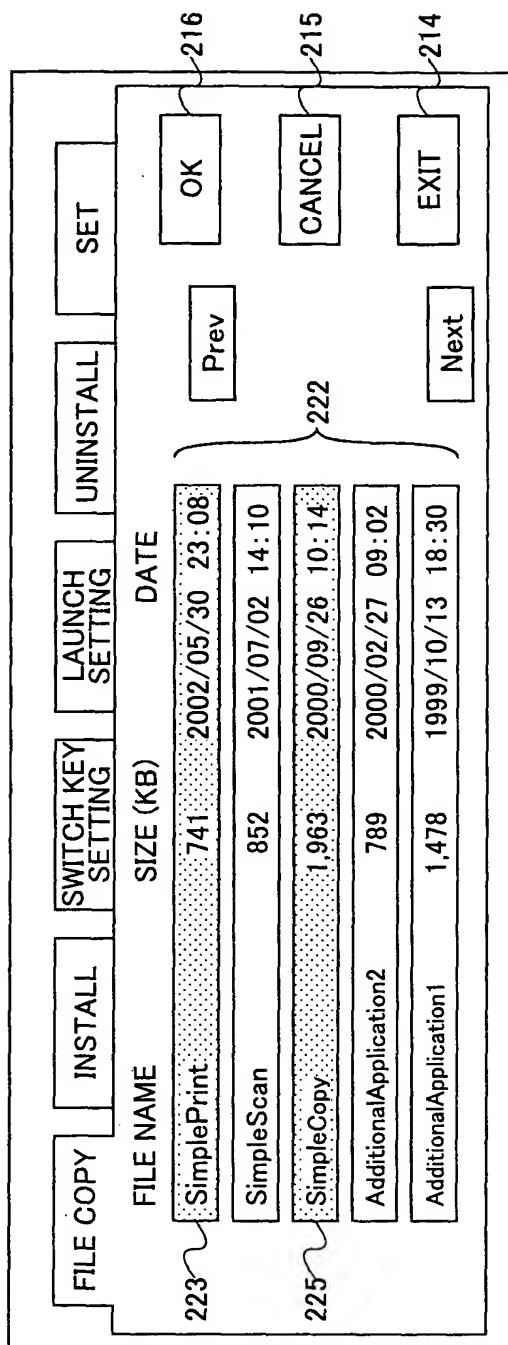


FIG.15A

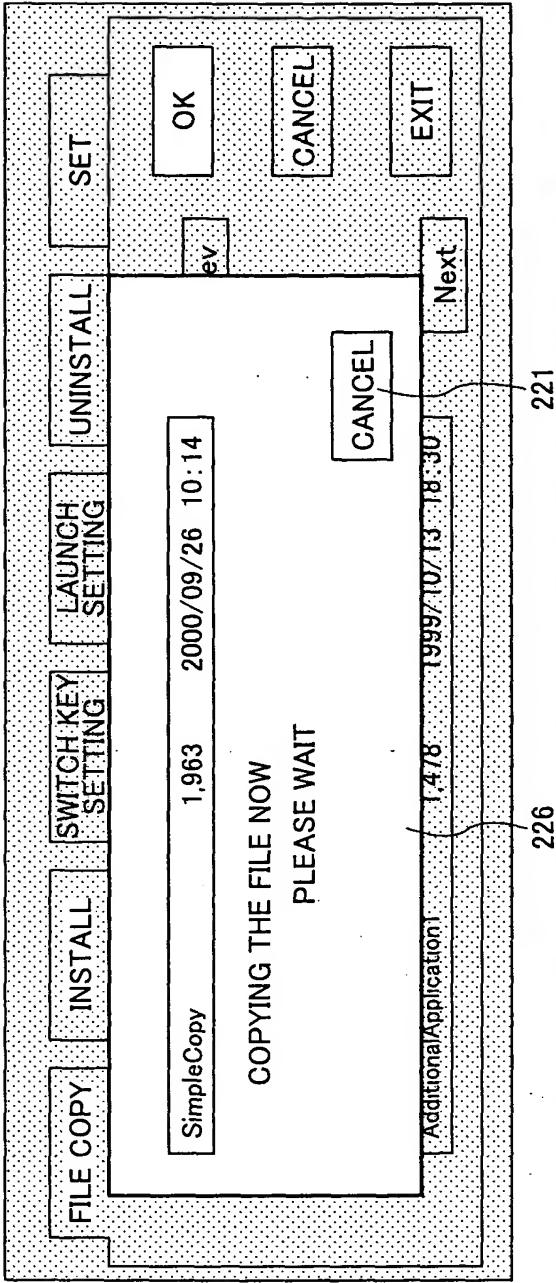


FIG.15B

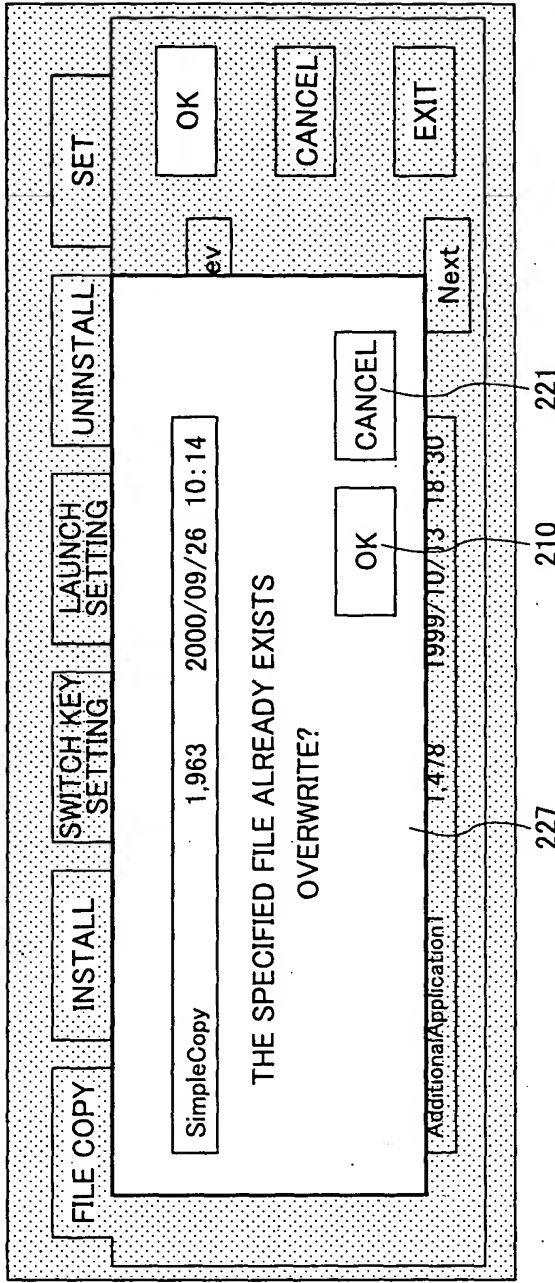
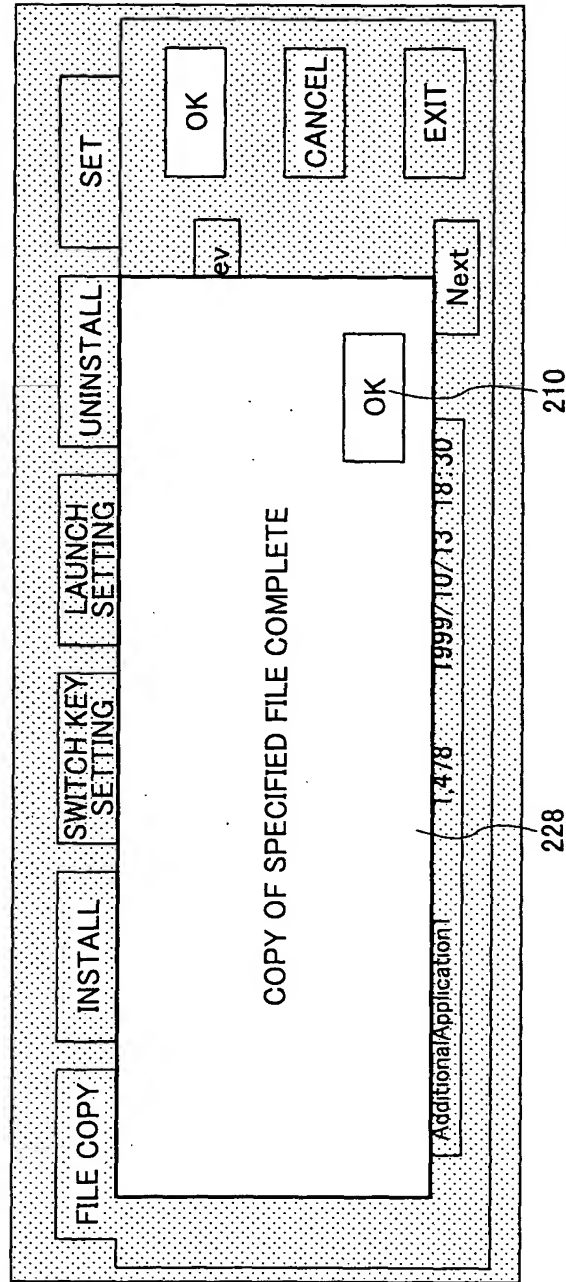


FIG.16



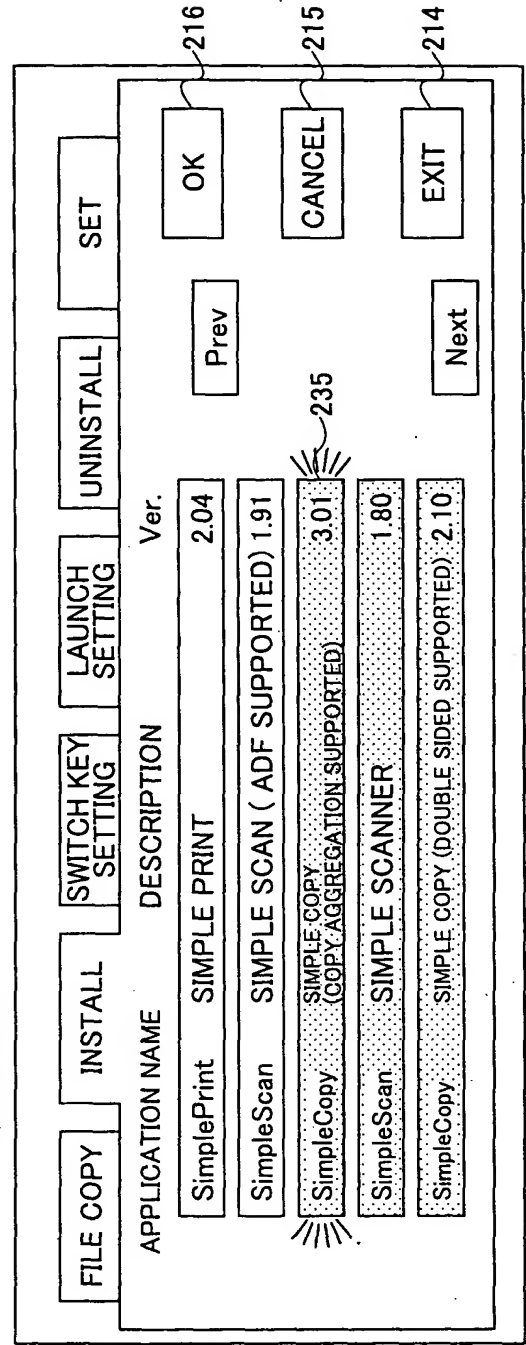
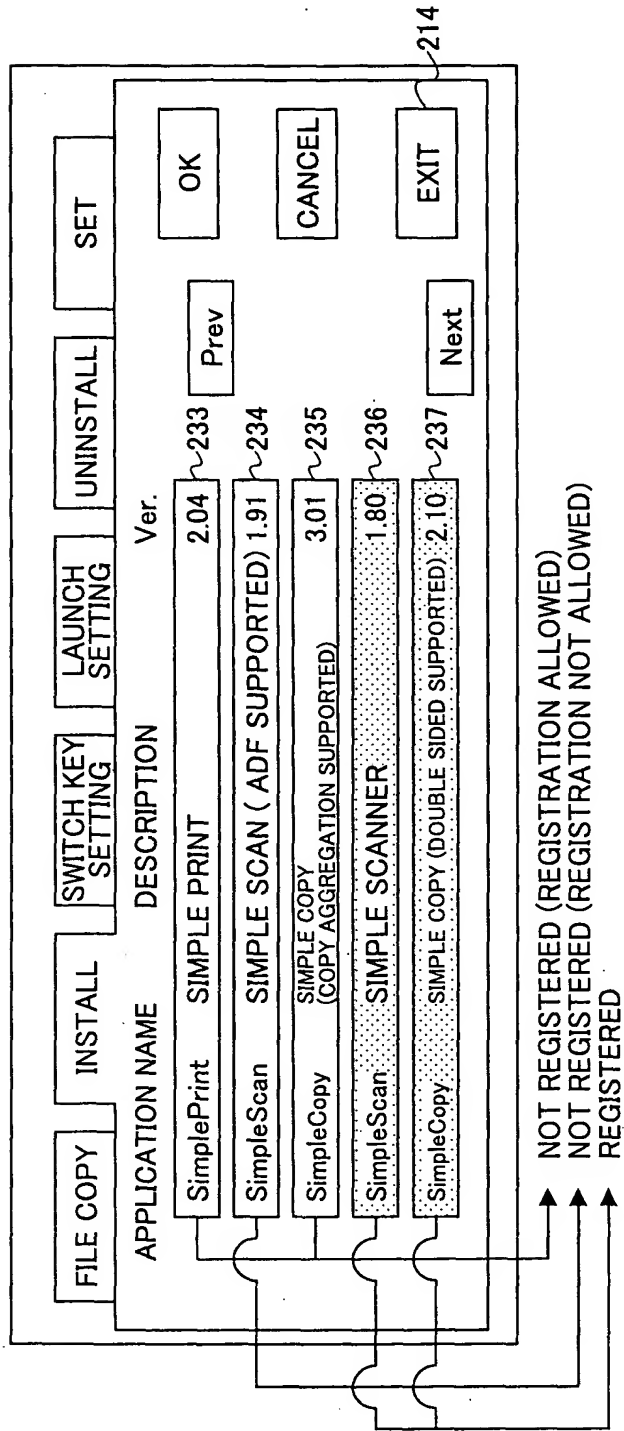


FIG.18

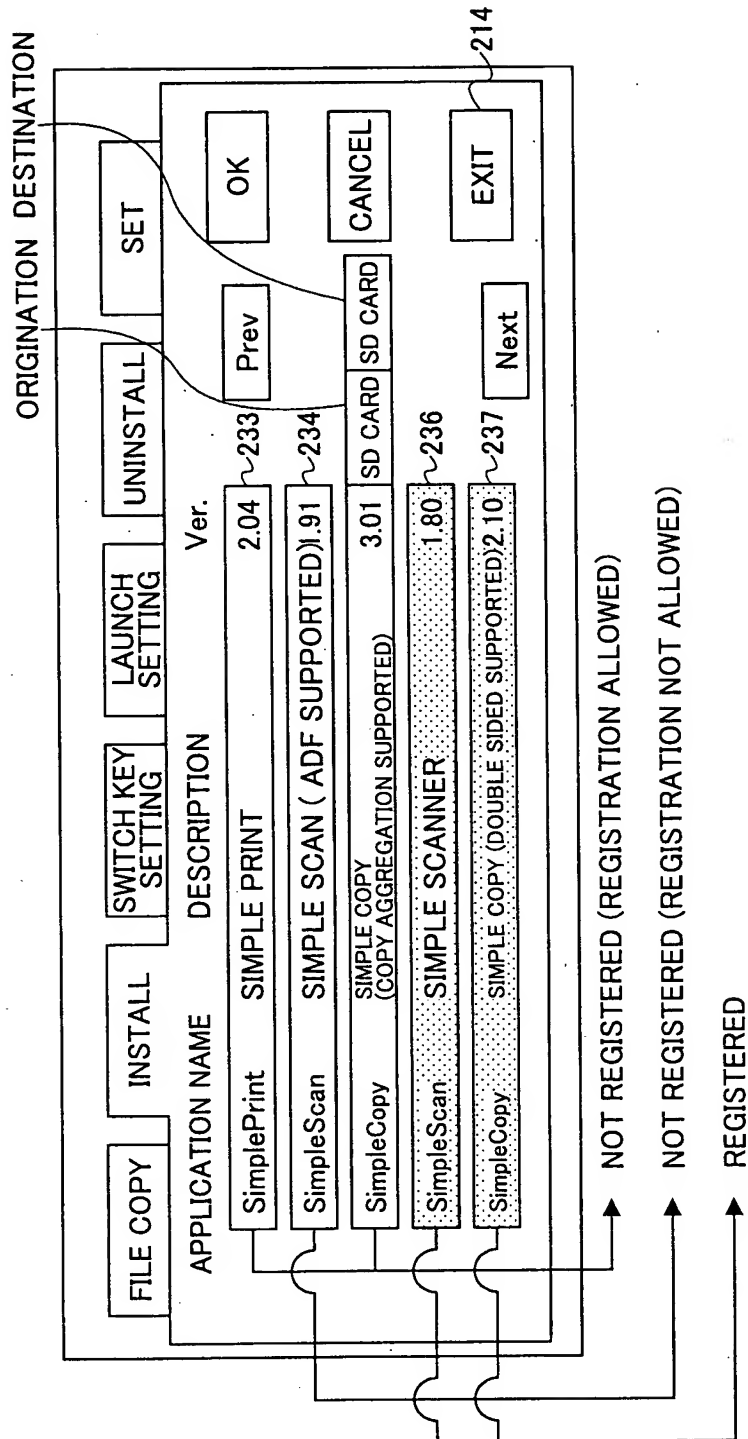


FIG.19A

APPLICATION NAME	DESCRIPTION	Ver.
SimplePrint	SIMPLE PRINT	2.04
SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
SimpleScan	SIMPLE SCANNER	1.80
SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

Navigation buttons: Prev, Next, OK, CANCEL, EXIT

FIG.19B

THIS APPLICATION CAN NOT BE REGISTERED FOR FOLLOWING REASON

- ADF IS NOT INCLUDED

Navigation buttons: OK, CANCEL, EXIT, Prev, Next

FIG.20A

APPLICATION NAME	DESCRIPTION	Ver.
SimplePrint	SIMPLE PRINT	2.04
SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
SimpleScanner	SIMPLE SCANNER	1.80
SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

FIG.20B

THE SELECTED APPLICATION IS ALREADY REGISTERED
 IF REGISTERED AGAIN, SETTING VALUES SPECIFIC
 FOR THIS APPLICATION ARE INITIALIZED.
 REGISTER AGAIN?

SimpleScan	SIMPLE PRINT	2.10
SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

FIG.21A

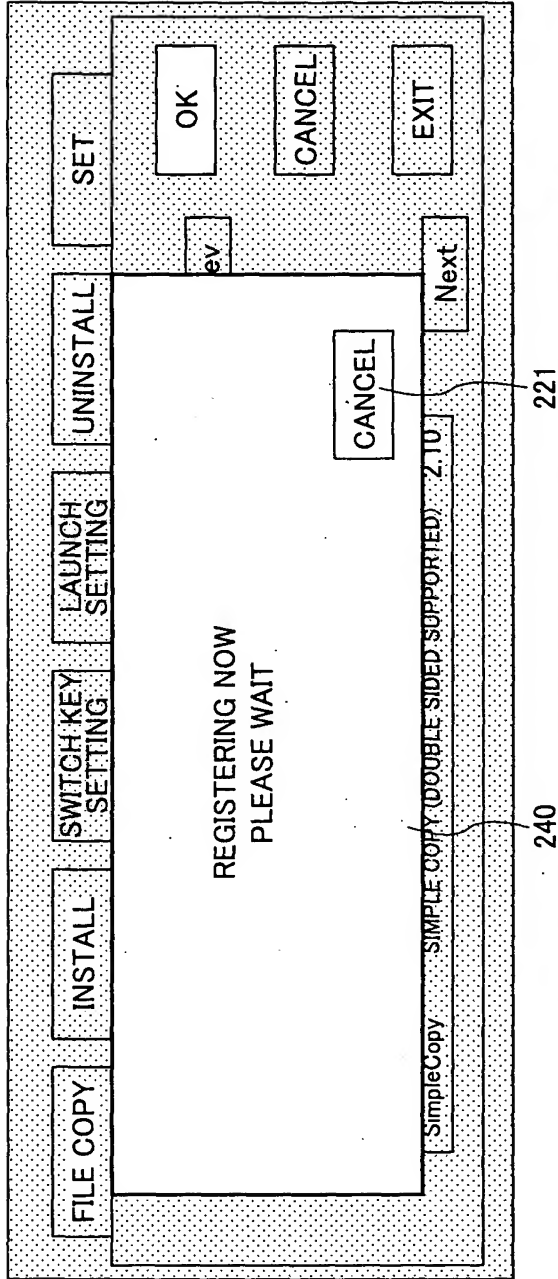


FIG.21B

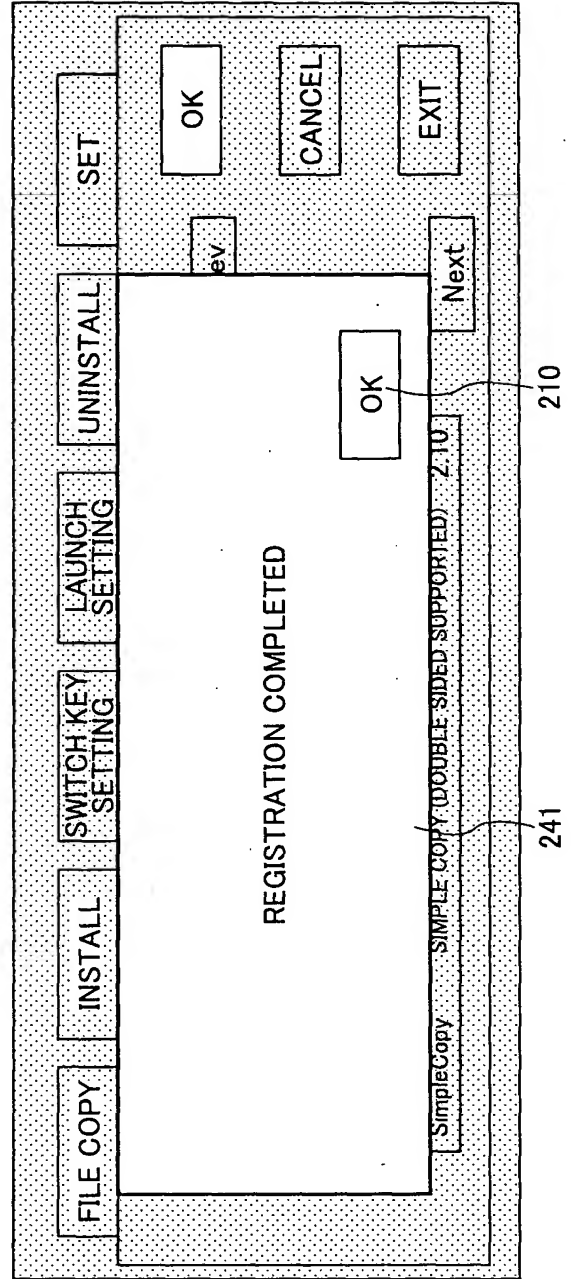


FIG.22

APPLICATION NAME	DESCRIPTION	Ver.
SimplePrint	SIMPLE PRINT	2.04
SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
SimpleScan	SIMPLE SCANNER	1.80
SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

Navigation buttons: OK, CANCEL, EXIT, Prev, Next

Reference numeral 214 points to the EXIT button.

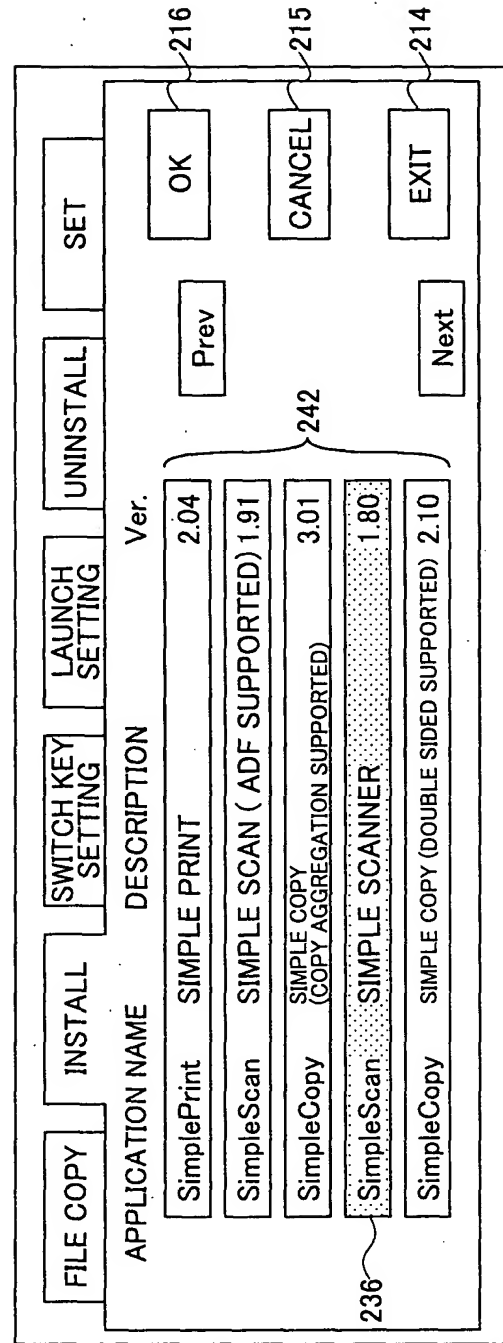
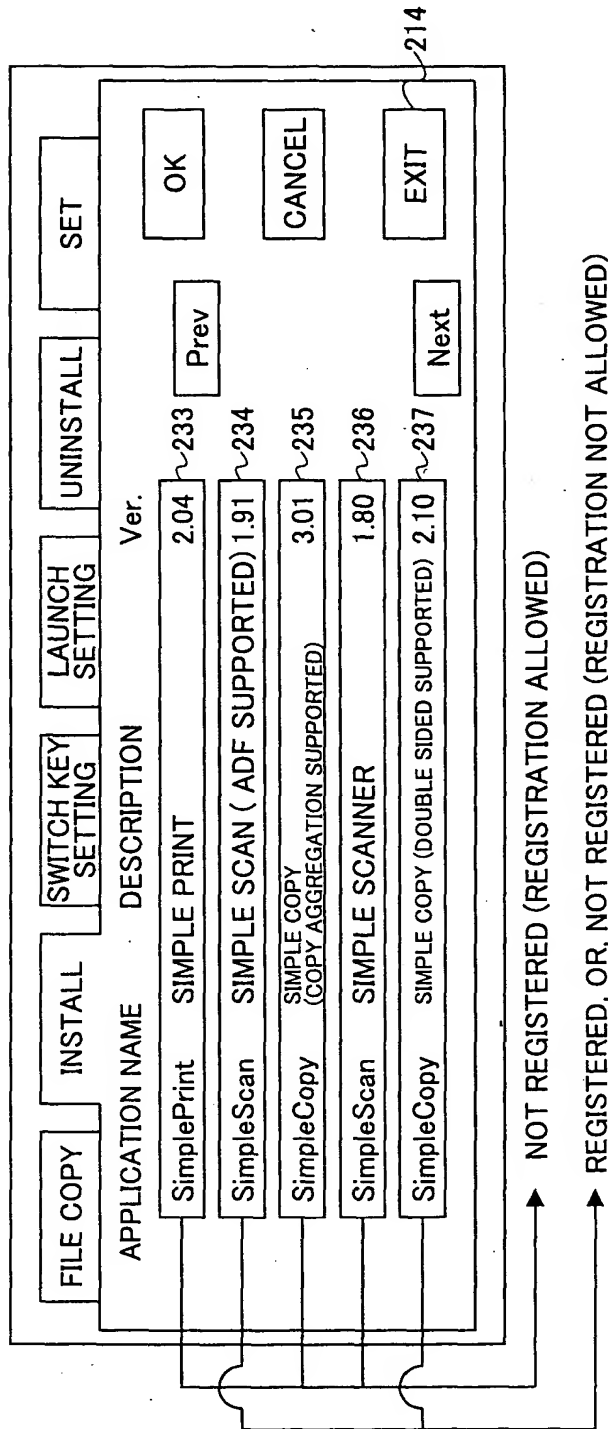


FIG.24A

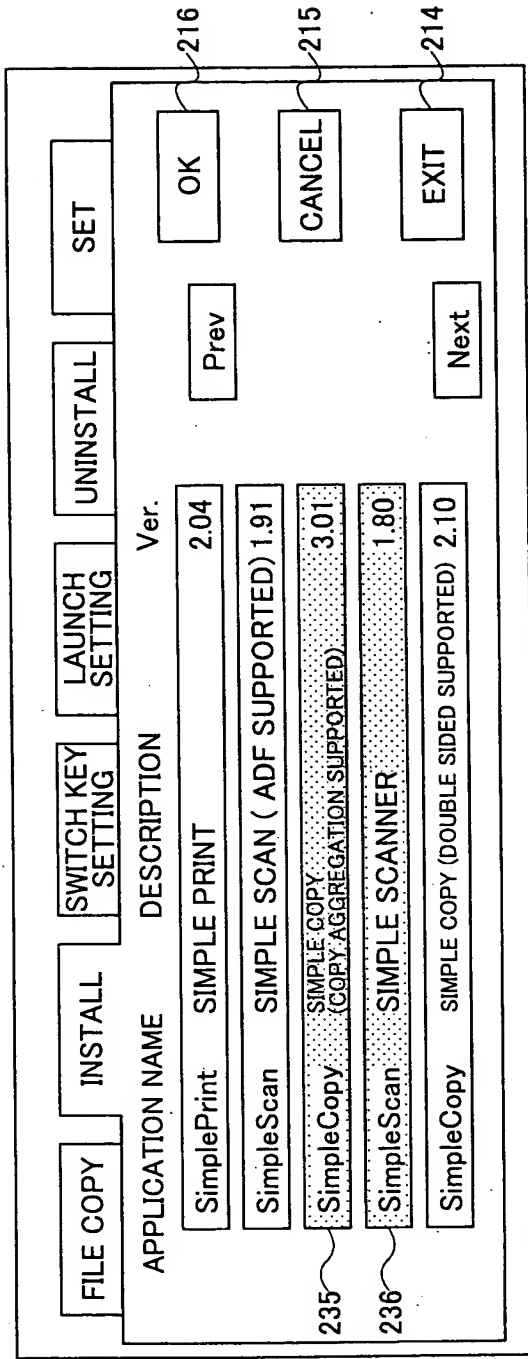


FIG.24B

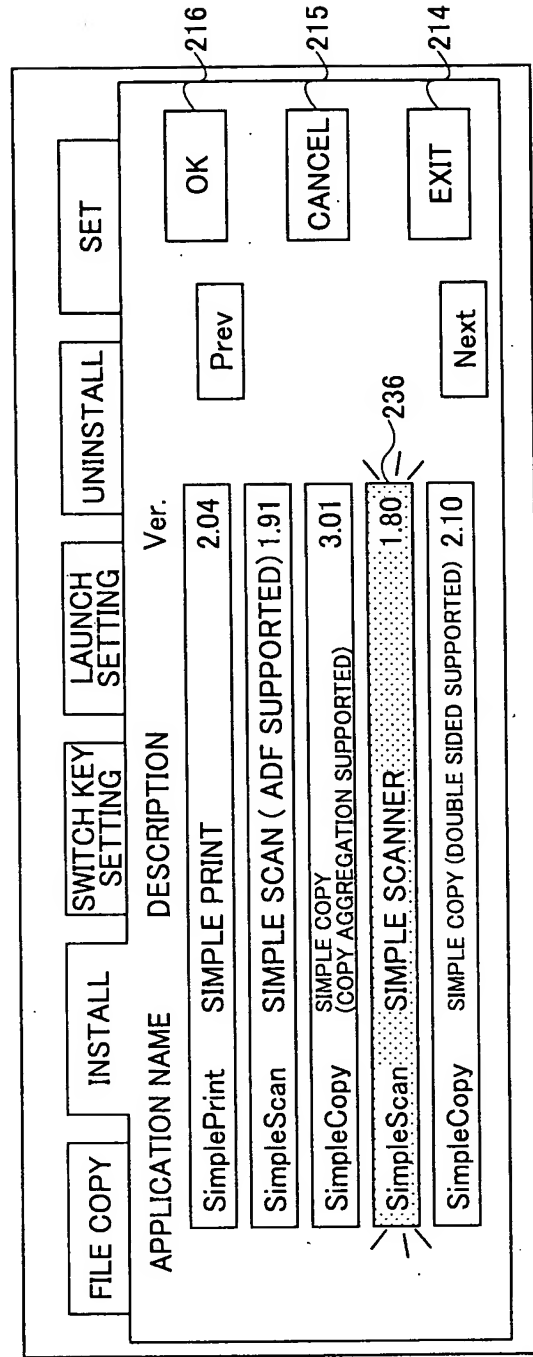


FIG.25A

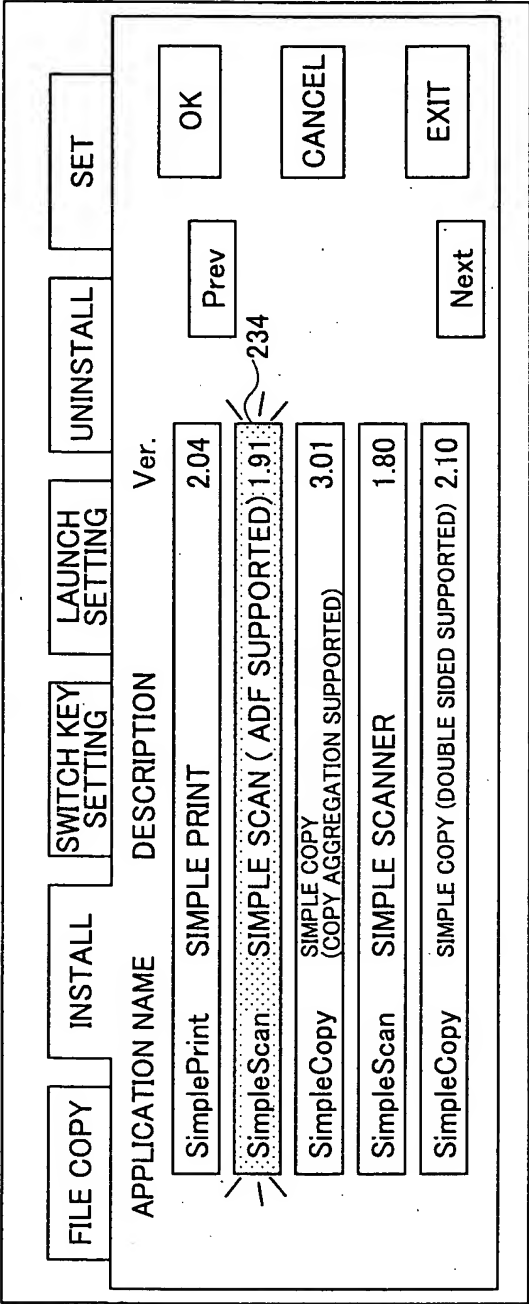


FIG.25B

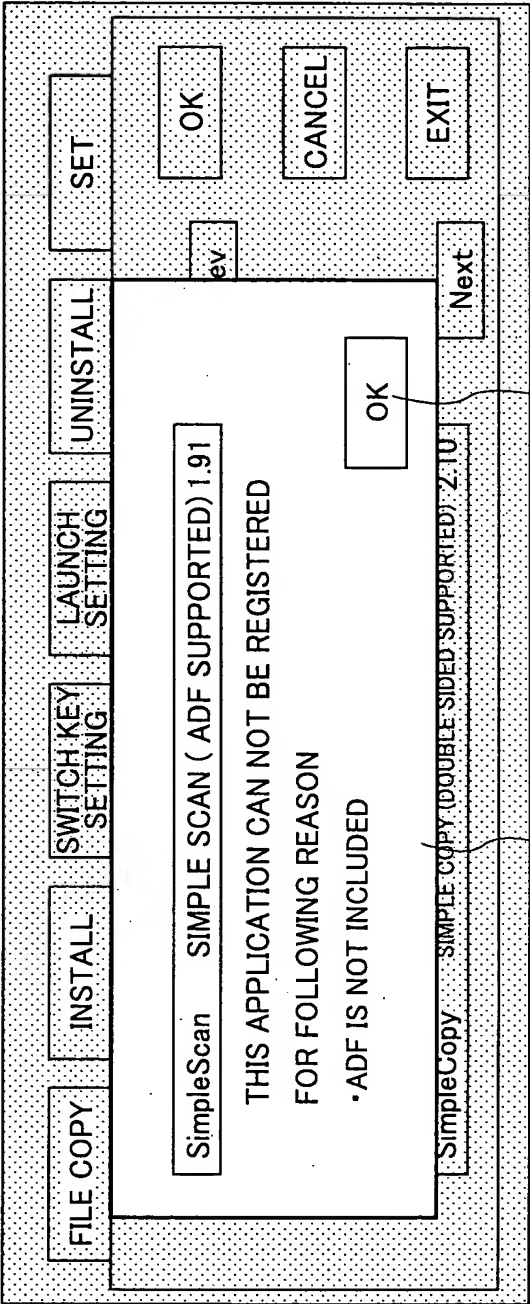


FIG.26A

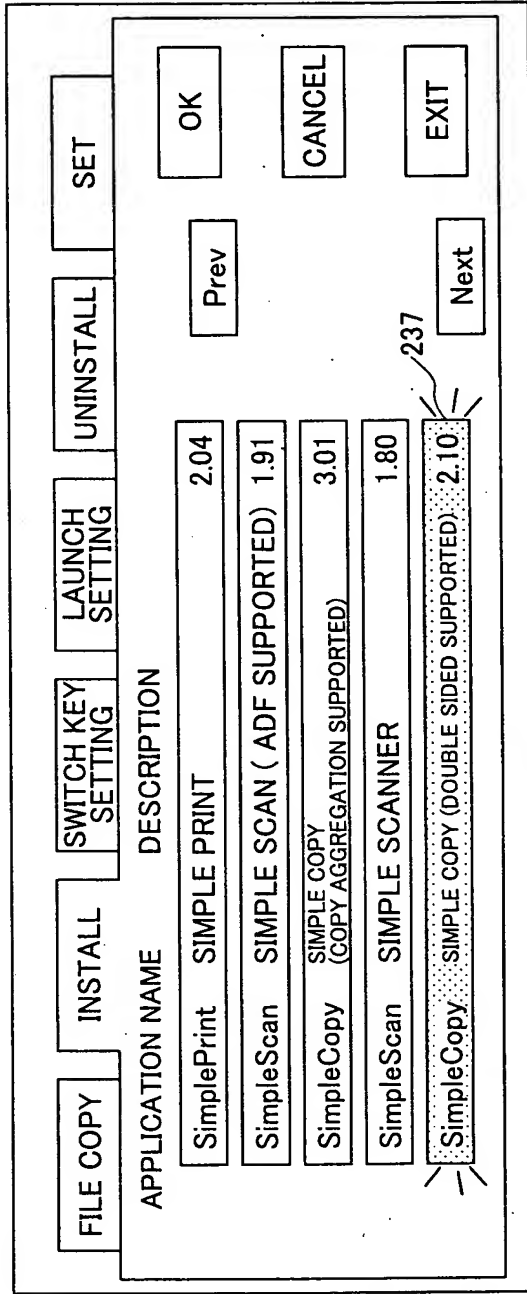


FIG.26B

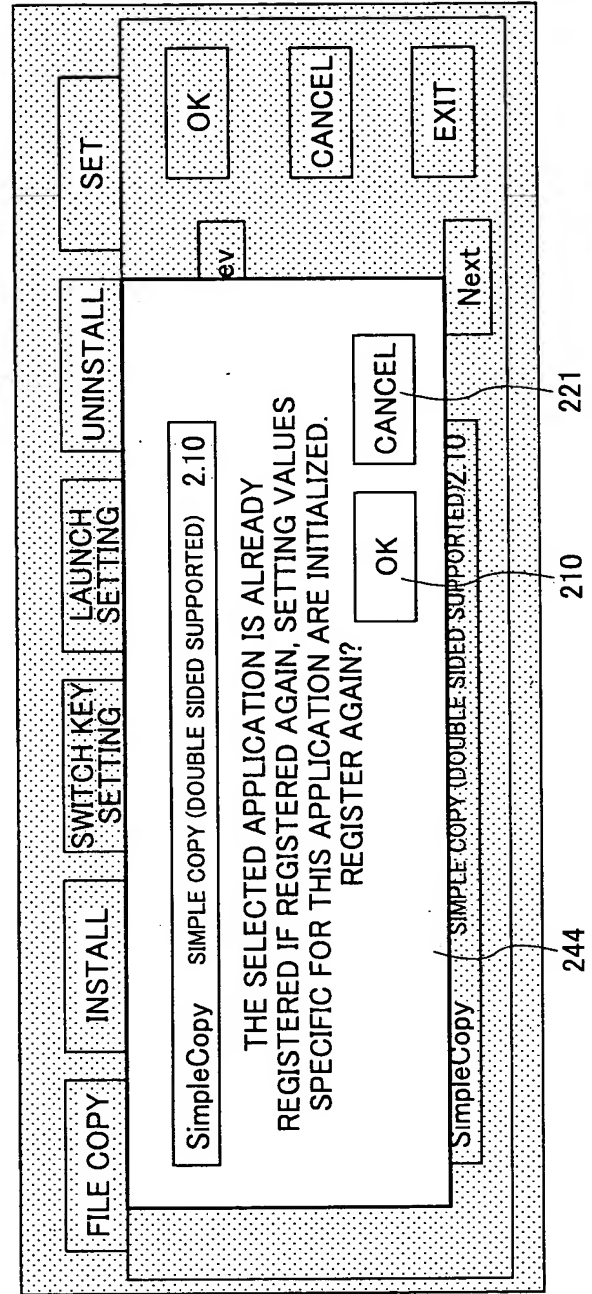


FIG.27A

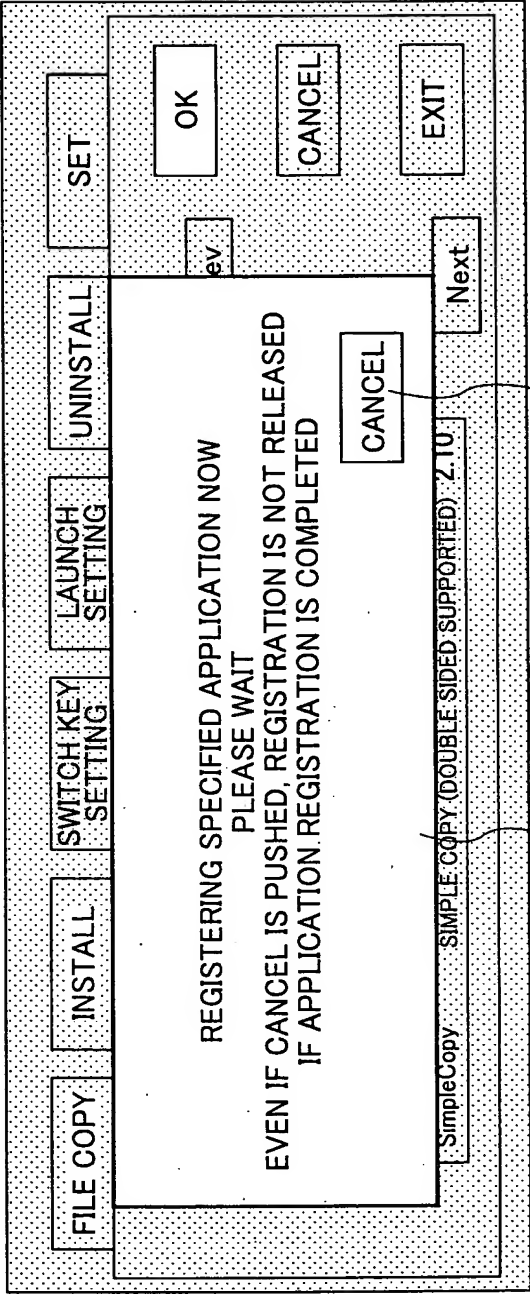


FIG.27B

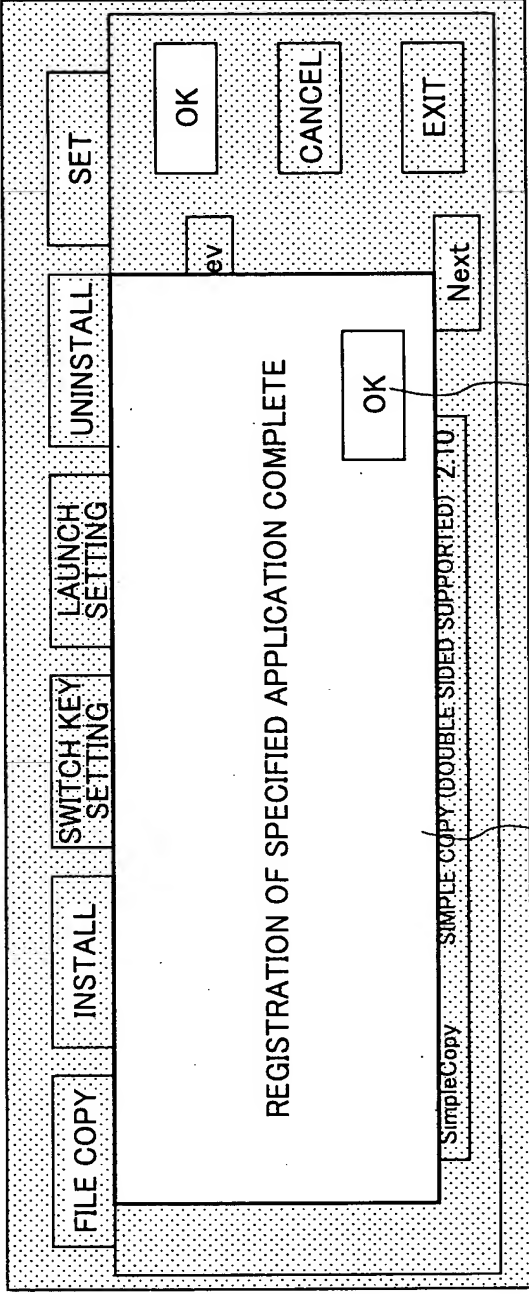


FIG.28

FILE COPY

INSTALL

SWITCH KEY
SETTING

LAUNCH
SETTING

UNINSTALL

SET

APPLICATION NAME	DESCRIPTION	Ver.
SimplePrint	SIMPLE PRINT	2.04
SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
SimpleScan	SIMPLE SCANNER	1.80
SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

Prev

OK

CANCEL

Next

EXIT

214

FIG.29A

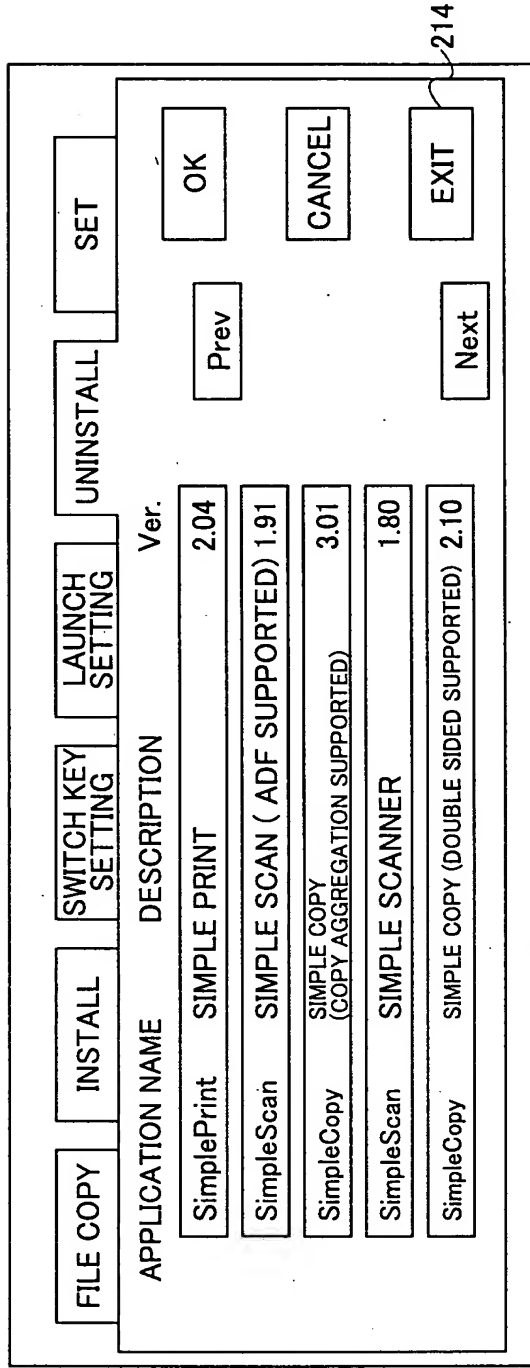


FIG.29B

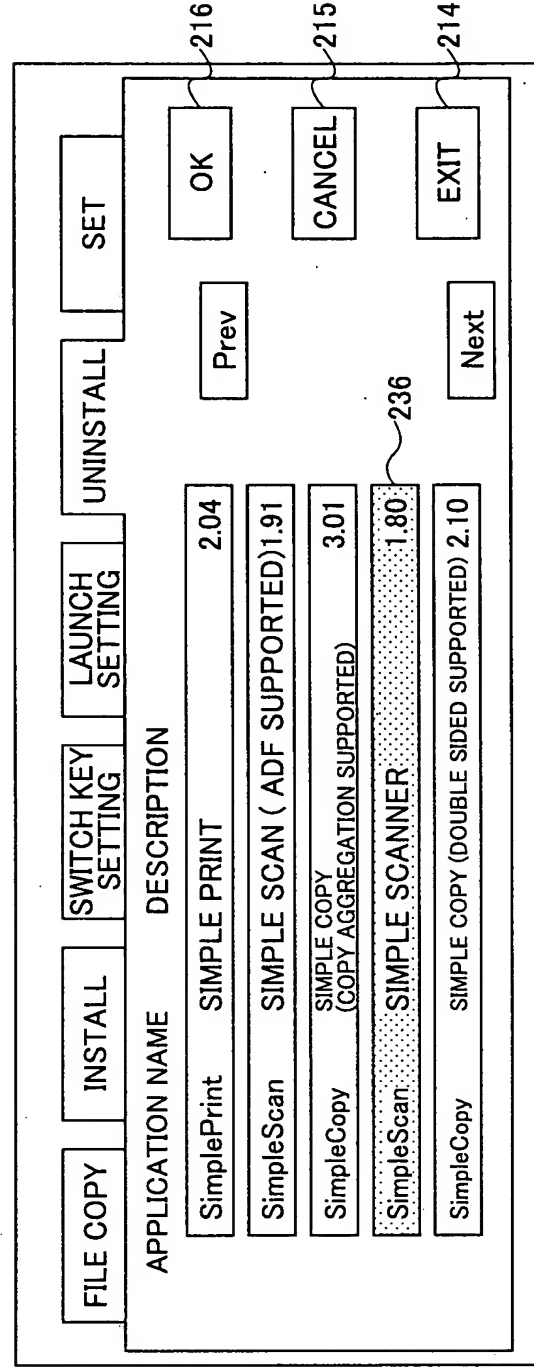


FIG.30A

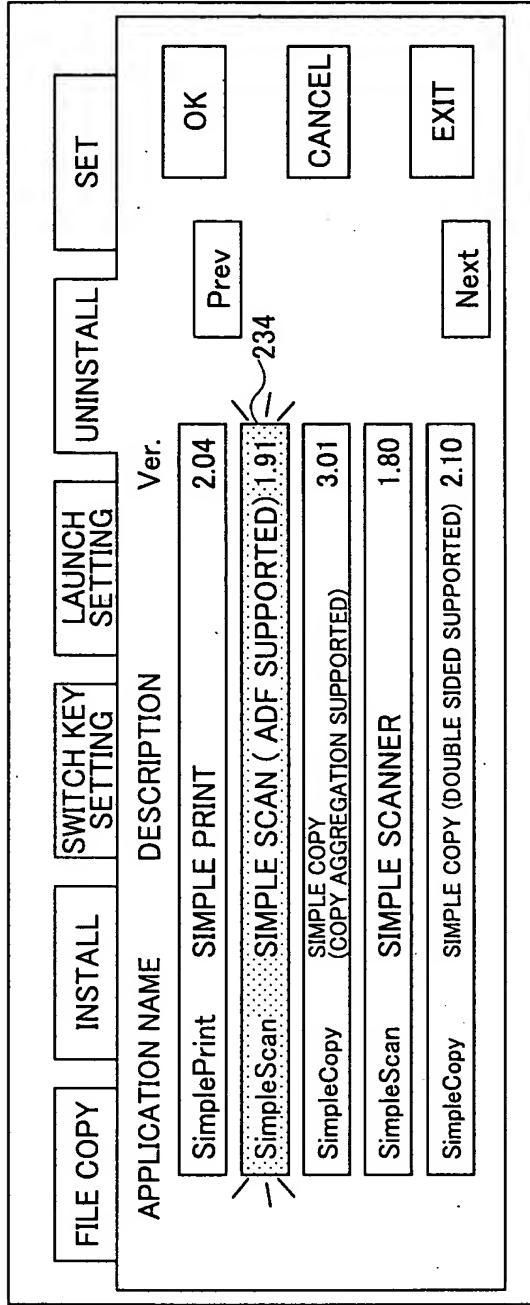


FIG.30B

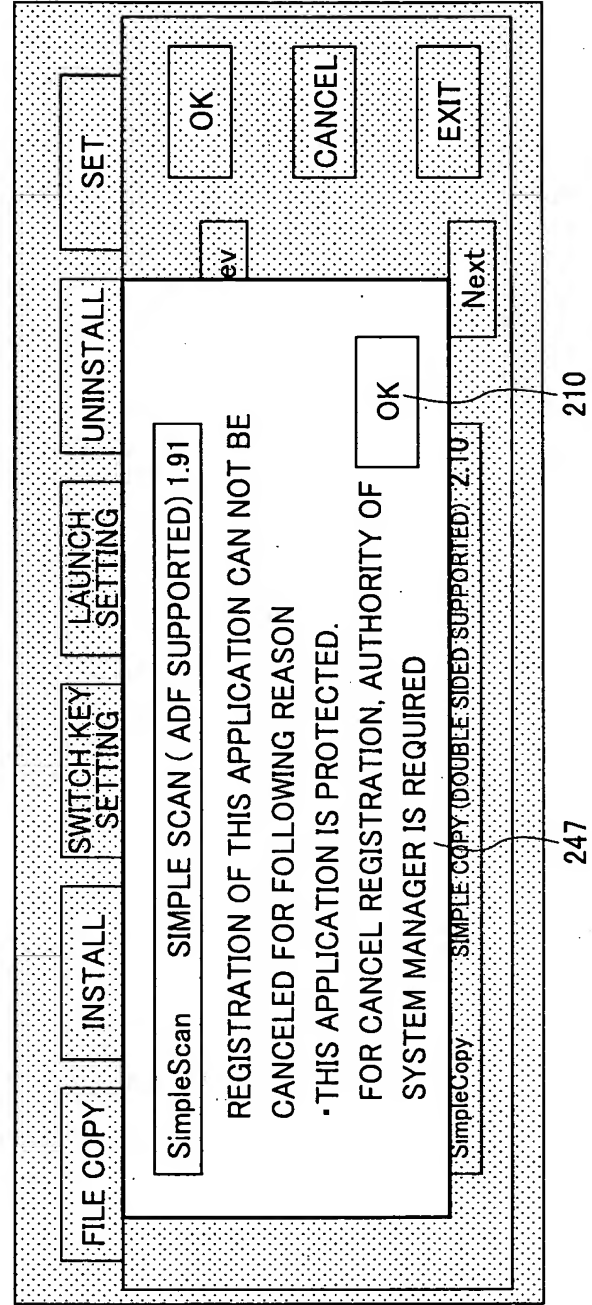


FIG.31A

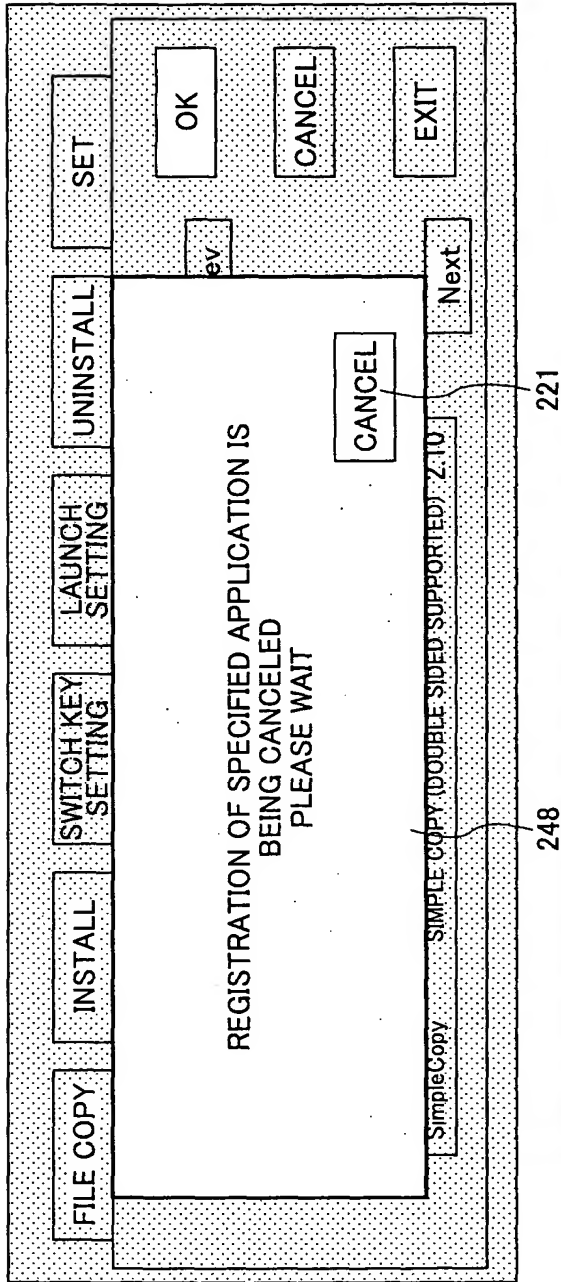


FIG.31B

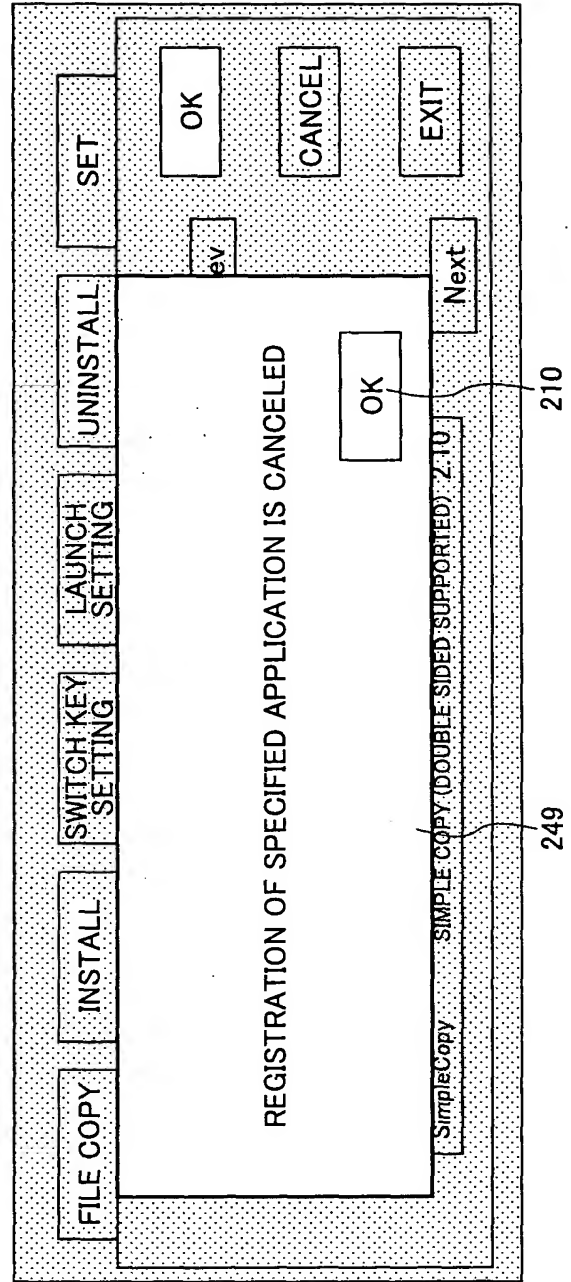


FIG.32

APPLICATION NAME	DESCRIPTION	Ver.
SimplePrint	SIMPLE PRINT	2.04
SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10
FAX&Mail	FAX&MAIL SENDING	1.10

Navigation buttons: Prev, Next, OK, CANCEL, EXIT (214)

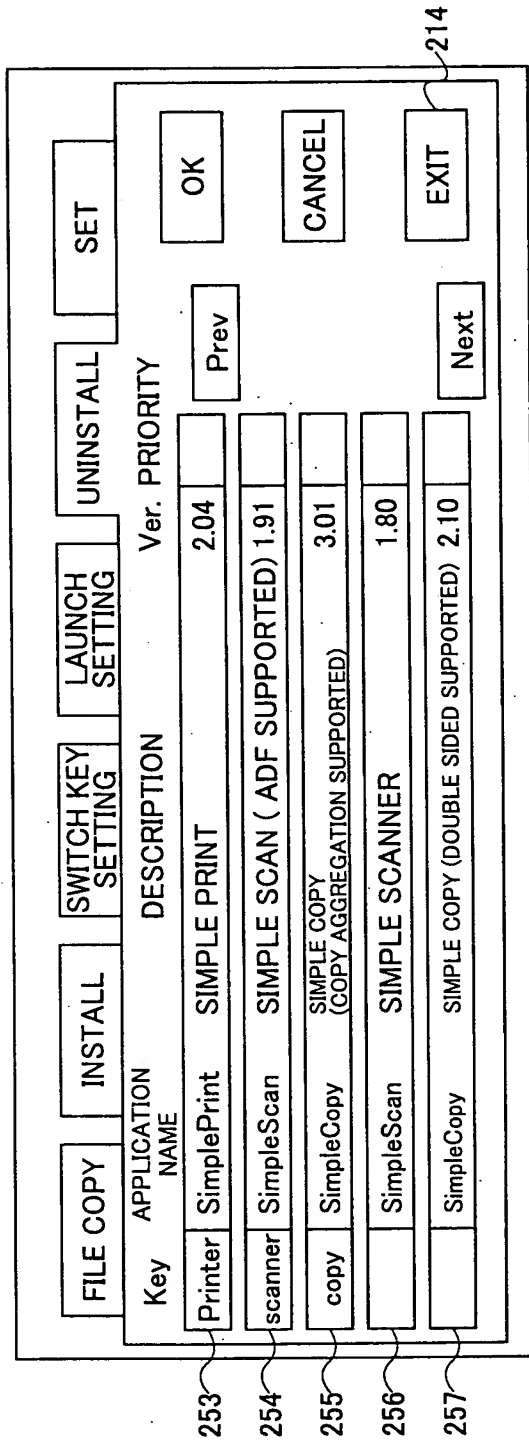


FIG. 33A

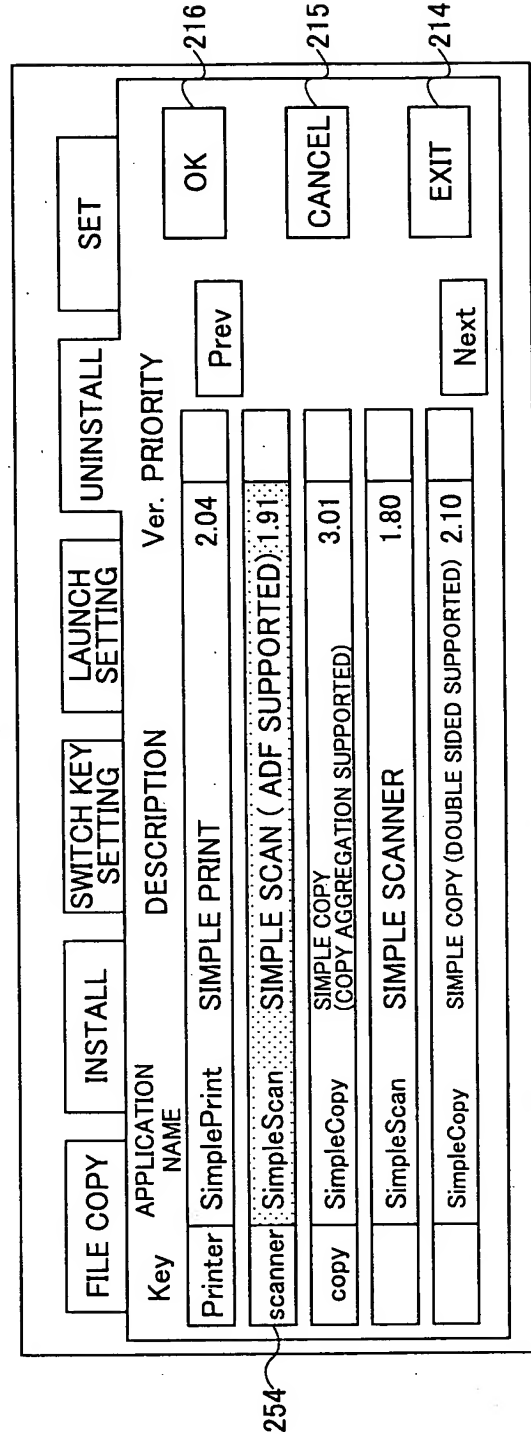


FIG. 33B

FIG.34A

FILE COPY		INSTALL		SWITCH KEY SETTING		LAUNCH SETTING		UNINSTALL		SET	
Key		APPLICATION NAME		DESCRIPTION		Ver. PRIORITY					
Printer	SimplePrint	SIMPLE PRINT		2.04		Prev				OK	
scanner	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)		1.91		254				CANCEL	
copy	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)		3.01							
	SimpleScan	SIMPLE SCANNER		1.80							
	SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)		2.10		Next				EXIT	

FIG.34B

FILE COPY		INSTALL		SWITCH KEY SETTING		LAUNCH SETTING		UNINSTALL		SET	
Key		APPLICATION NAME		DESCRIPTION		Ver. PRIORITY					
Printer	SimplePrint	SIMPLE PRINT		2.04		Prev				OK	
scanner	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)		1.91						CANCEL	
copy	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)		3.01							
	SimpleScan	SIMPLE SCANNER		1.80							
	SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)		2.10		Next				EXIT	

SimpleScan SIMPLE SCAN (ADF SUPPORTED) 1.91

A KEY IS ASSIGNED TO THIS APPLICATION.

DO YOU WANT TO RELEASE KEY ASSIGNMENT AND CANCEL REGISTRATION?

CANCEL OK

FIG.35A

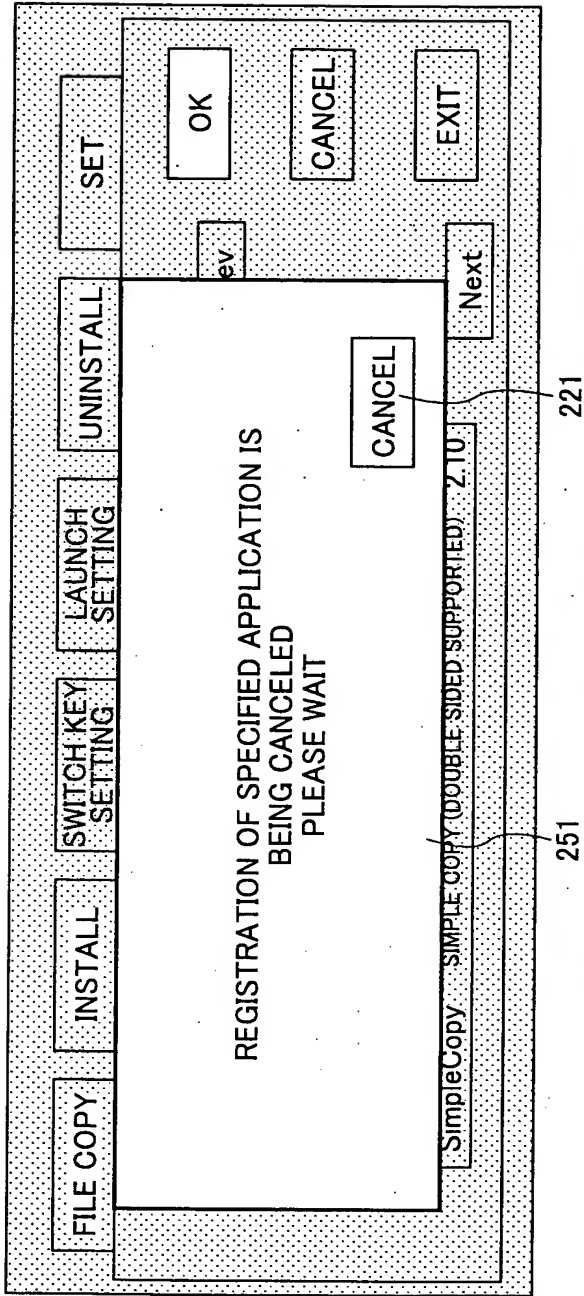


FIG.35B

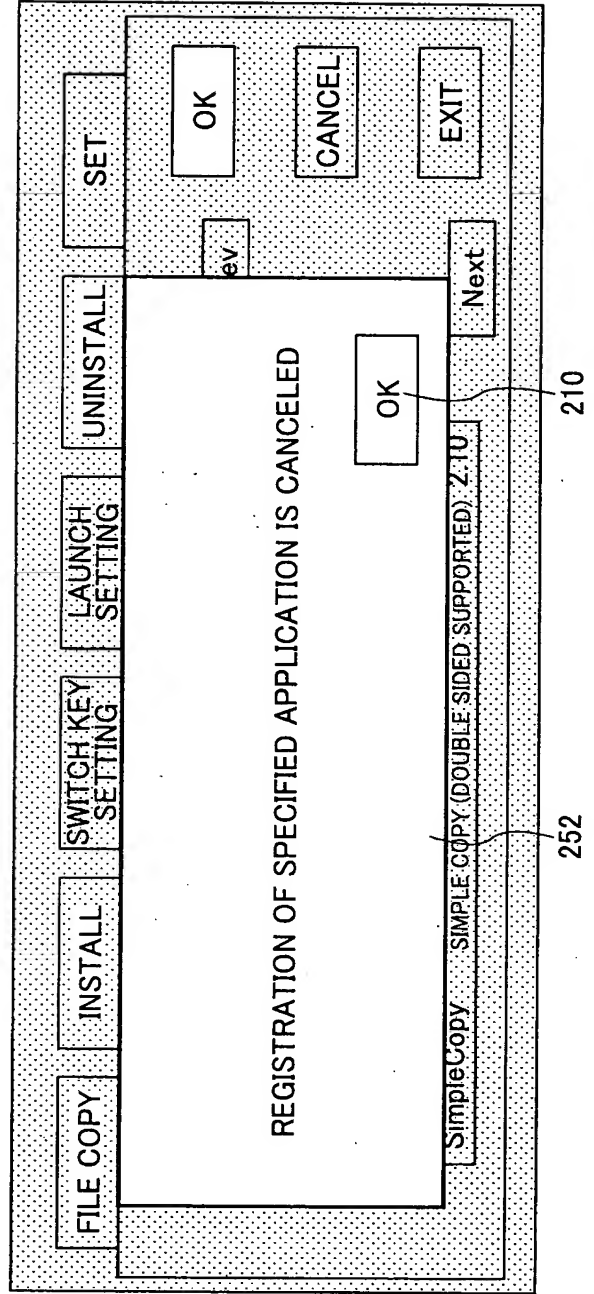


FIG.36

FILE COPY

INSTALL

SWITCH KEY
SETTING

LAUNCH
SETTING

UNINSTALL

SET

Key	APPLICATION NAME	DESCRIPTION	Ver.	PRIORITY	
Printer	SimplePrint	SIMPLE PRINT	2.04		OK
copy	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01		Prev
copy	SimpleScan	SIMPLE SCAN	1.80		CANCEL
	SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10		
FAX	FAX&Mail	FAX&MAIL SENDING	1.10		Next

EXIT

214

FIG.37

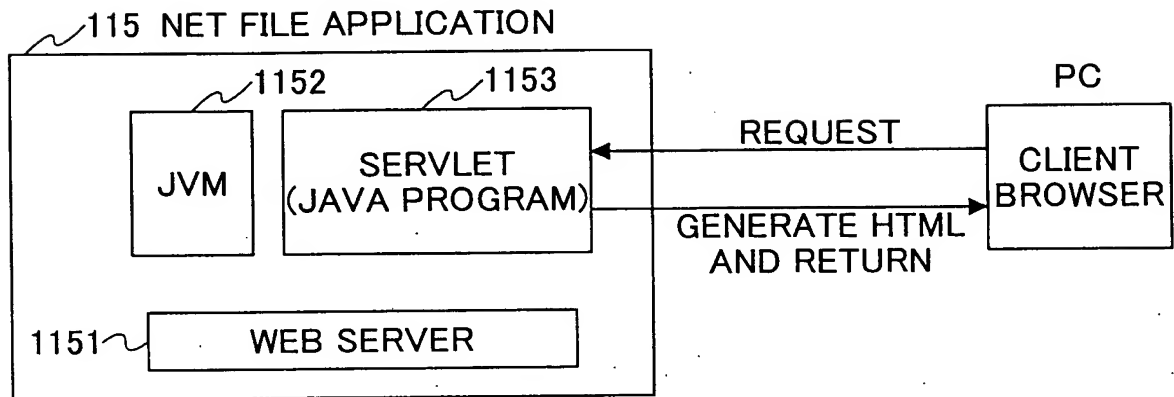


FIG.38

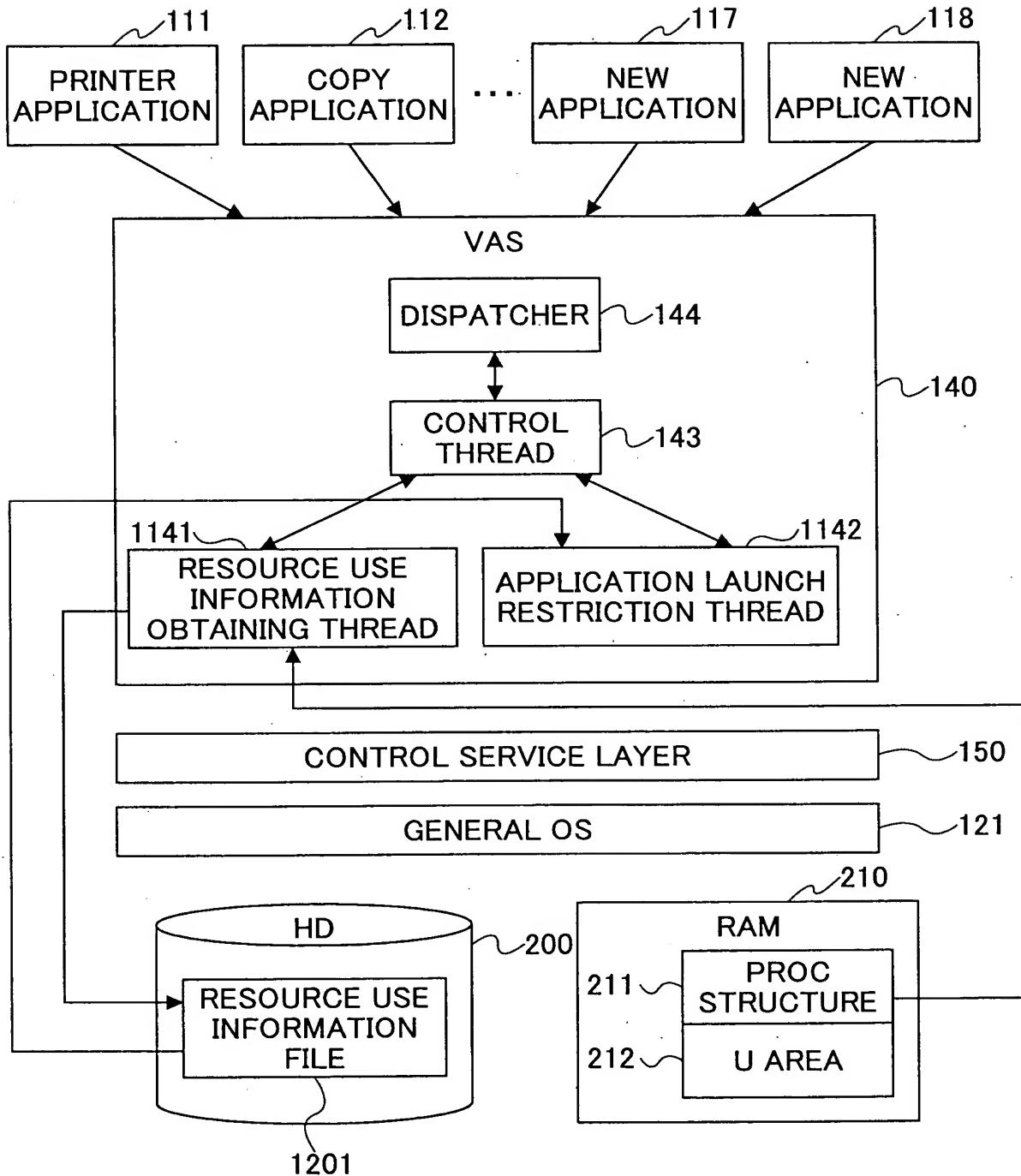


FIG.39

201
}

RESOURCE USE INFORMATION FILE

APPLICATION ID	TEXT MEMORY AREA SIZE	HEAP AREA SIZE	STACK AREA SIZE
101	3MB	1MB	10KB
102	2MB	500KB	5KB
103	4MB	200KB	3KB
.	.	.	.
.	.	.	.
.	.	.	.

FIG.40

211
}

PROC STRUCTURE

MEMBER NAME	DESCRIPTION
p_pid	PROCESS ID
p_txtsz	TEXT MEMORY AREA SIZE
p_heapsz	HEAP AREA SIZE,
p_stacksz	STACK AREA SIZE
.	.
.	.
.	.

FIG.41

OPERATION PANEL (HISTOGRAM)

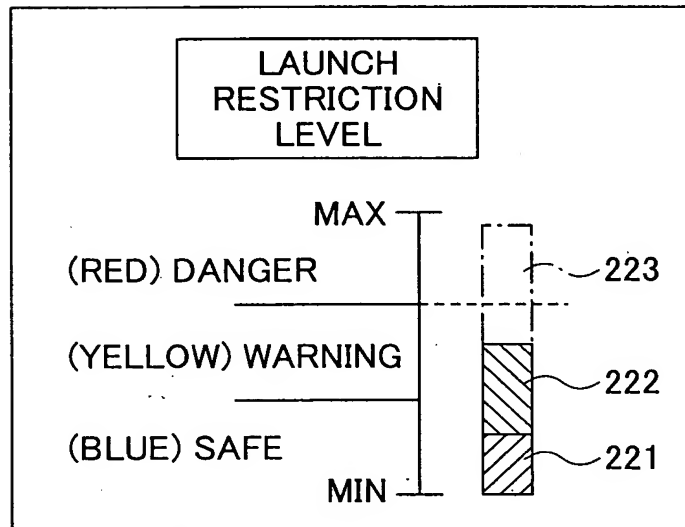


FIG.42

FILE COPY

INSTALL

SWITCH KEY SETTING

LAUNCH SETTING

UNINSTALL

SET

Key	APPLICATION NAME	DESCRIPTION	Ver.
printer2	SimplePrint	SIMPLE PRINT	2.04
scanner3	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
scanner2	SimpleScan2	SIMPLE SCANNER Ver.2.0	2.10
copy2	NewSimpleCopy	SIMPLE COPY (DOUBLE SIDED AGGREGATION SUPPORTED)	3.32

CONSUMED MEMORY [%]

100

75

50

25

0

Prev

251

Next

OK

CANCEL

EXIT

TO INITIAL
SETTING SCREEN

FIG.43

LAUNCH SETTING TARGET APPLICATION

FILE COPY INSTALL SWITCH KEY SETTING LAUNCH SETTING UNINSTALL SET

Key	APPLICATION NAME	DESCRIPTION	Ver.
printer2	SimplePrint	SIMPLE PRINT	2.04
scanner3	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
scanner2	SimpleScan2	SIMPLE SCANNER Ver.2.0	2.10
copy2	NewSimpleCopy	SIMPLE COPY (DOUBLE SIDED AGGREGATION SUPPORTED)	3.32

CONSUMED MEMORY (%)

100 75 50 25 0

BLINKING

Prev OK CANCEL Next EXIT

FIG.44

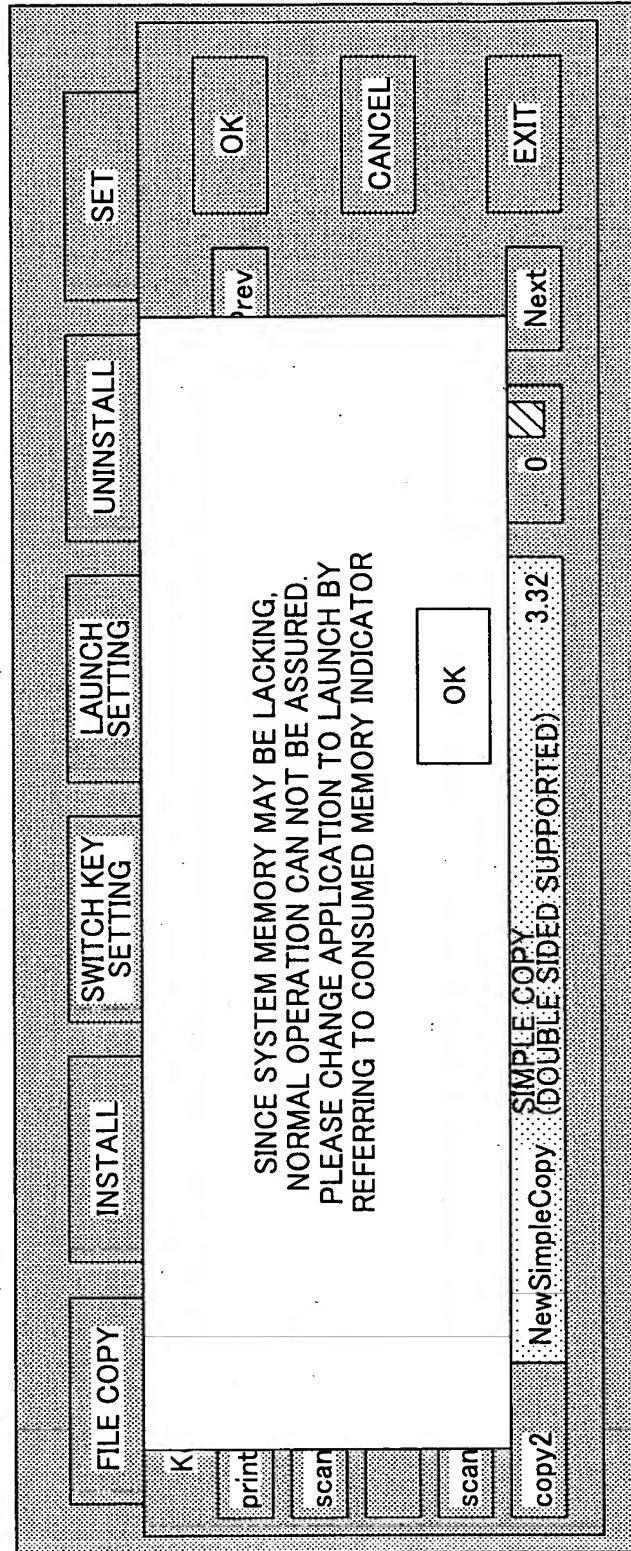


FIG.45

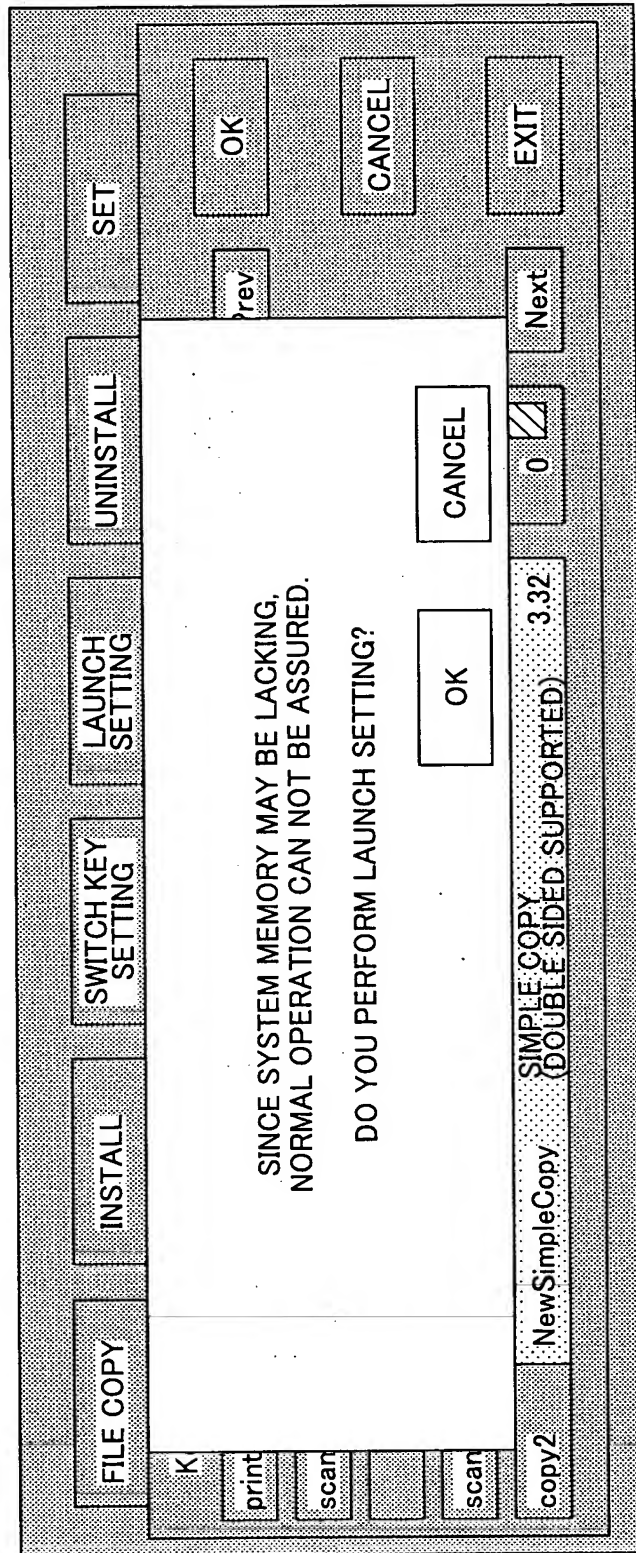


FIG.46

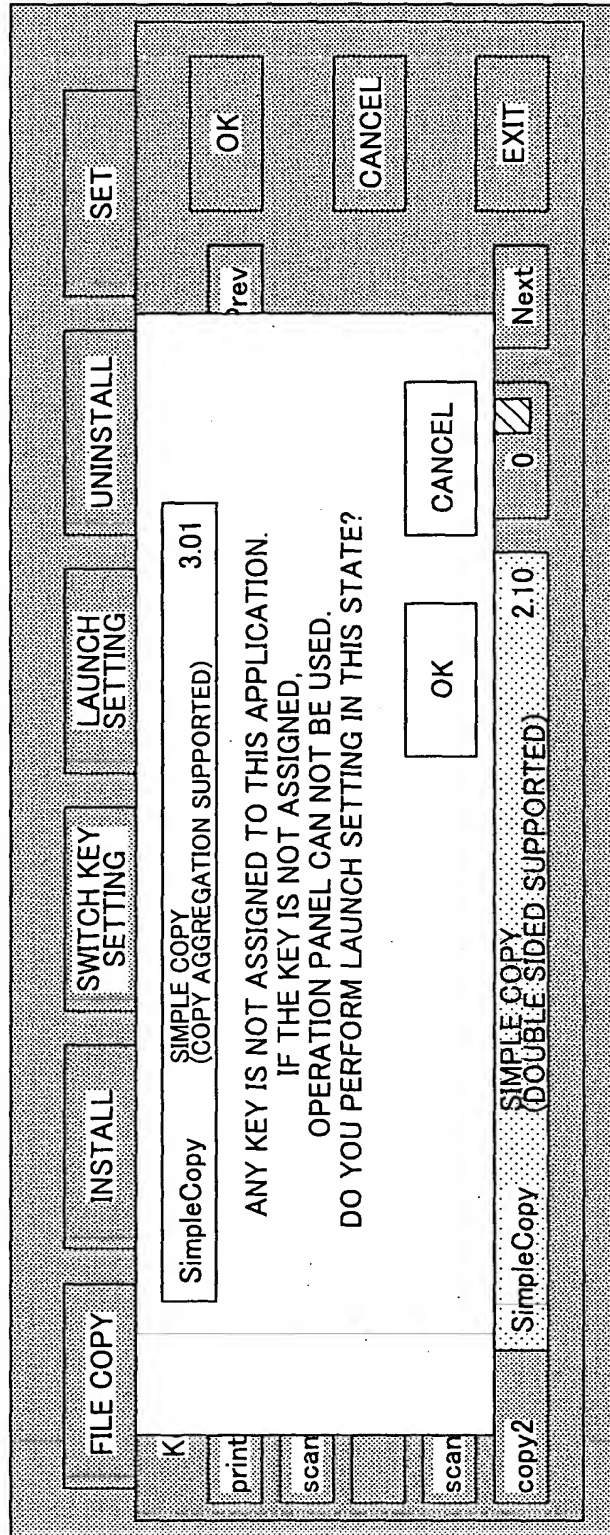


FIG.47

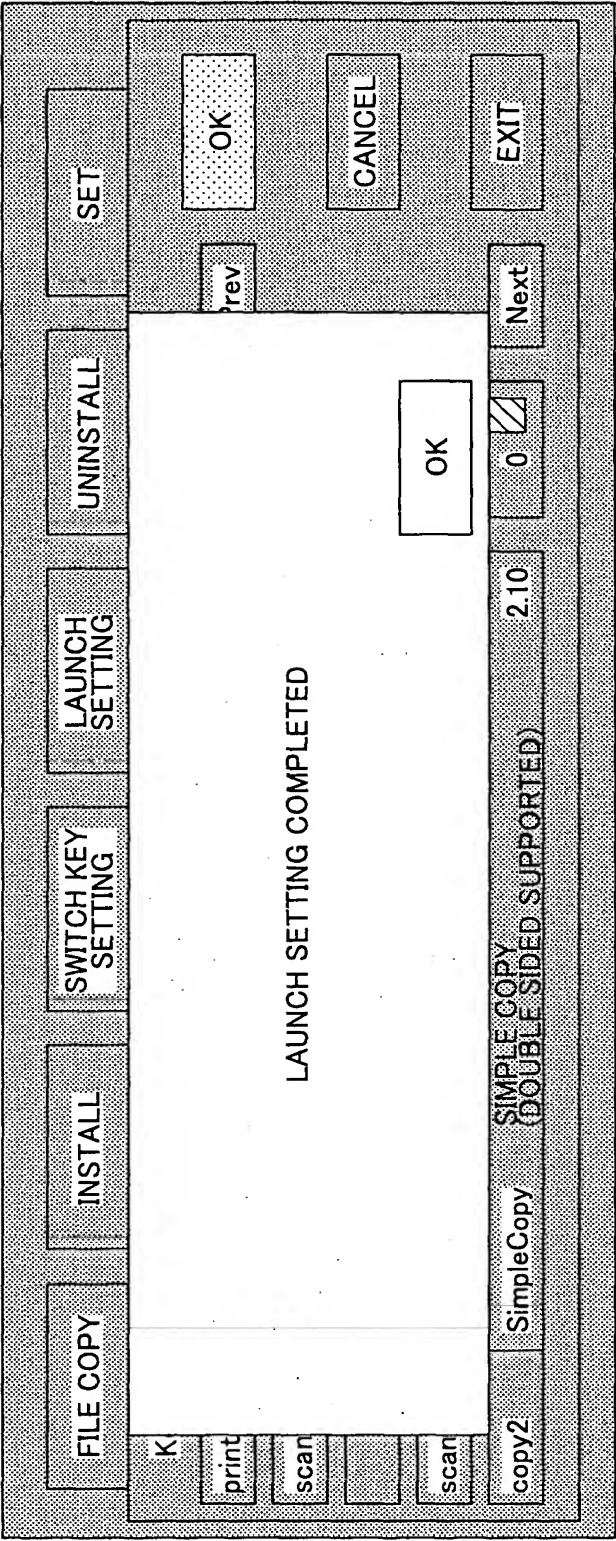


FIG.48

LAUNCH SET APPLICATION

FILE COPY

INSTALL

SWITCH KEY SETTING

LAUNCH SETTING

UNINSTALL

SET

Key	APPLICATION NAME	DESCRIPTION	Ver.
printer2	SimplePrint	SIMPLE PRINT	2.04
scanner3	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
scanner2	SimpleScan	SIMPLE SCANNER Ver.2.0	1.80
copy2	SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

CONSUMED MEMORY [%]

100

75

50

25

0

Prev

252

Next

OK

CANCEL

EXIT

FIG.49

LAUNCH SET APPLICATION

FILE COPY		INSTALL		SWITCH KEY SETTING		LAUNCH SETTING		UNINSTALL		SET	
Key	APPLICATION NAME	DESCRIPTION				Ver.		CONSUMED MEMORY [%]			
printer2	SimplePrint	SIMPLE PRINT				2.04		<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>			
scanner3	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)				1.91		<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>			
	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)				3.01		<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>			
scanner2	SimpleScan	SIMPLE SCANNER Ver.2.0				1.80		<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>			
copy2	SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)				2.10		<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>			
								Prev		OK	
										CANCEL	
										EXIT	
								Next			

FIG.50

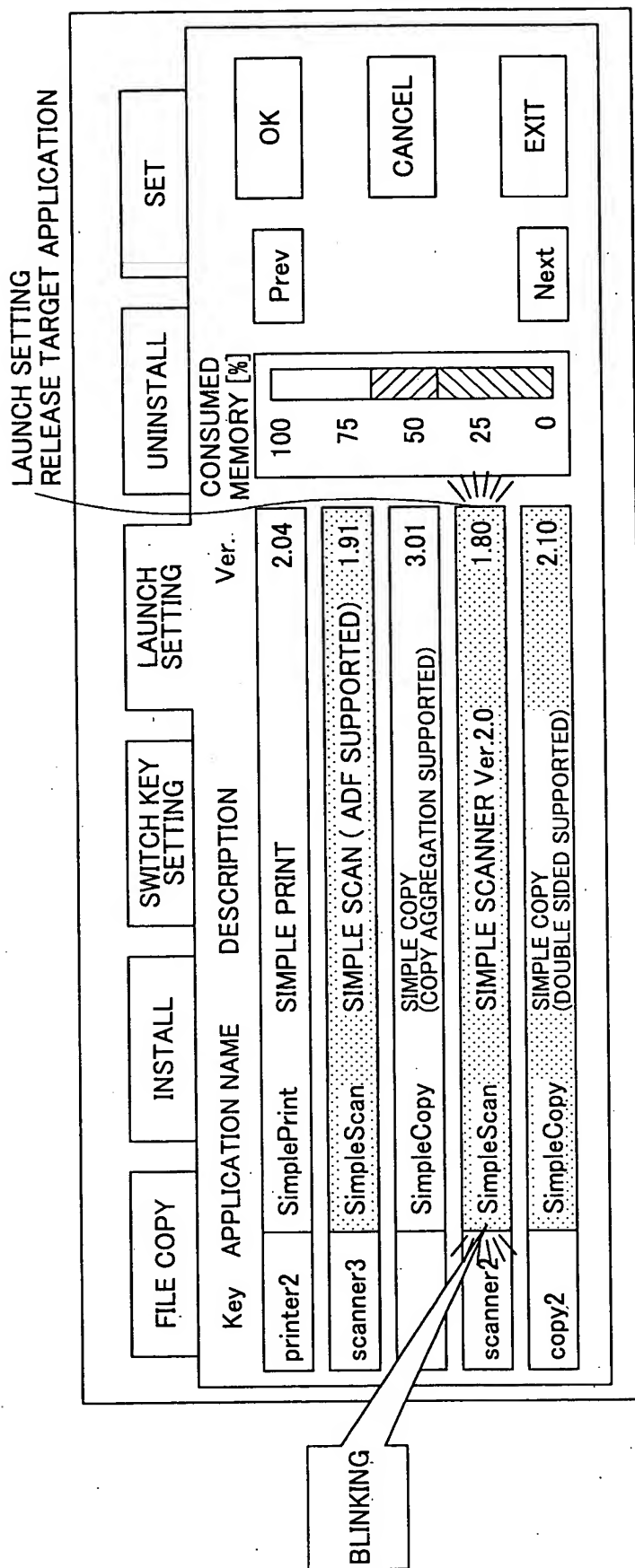


FIG.51

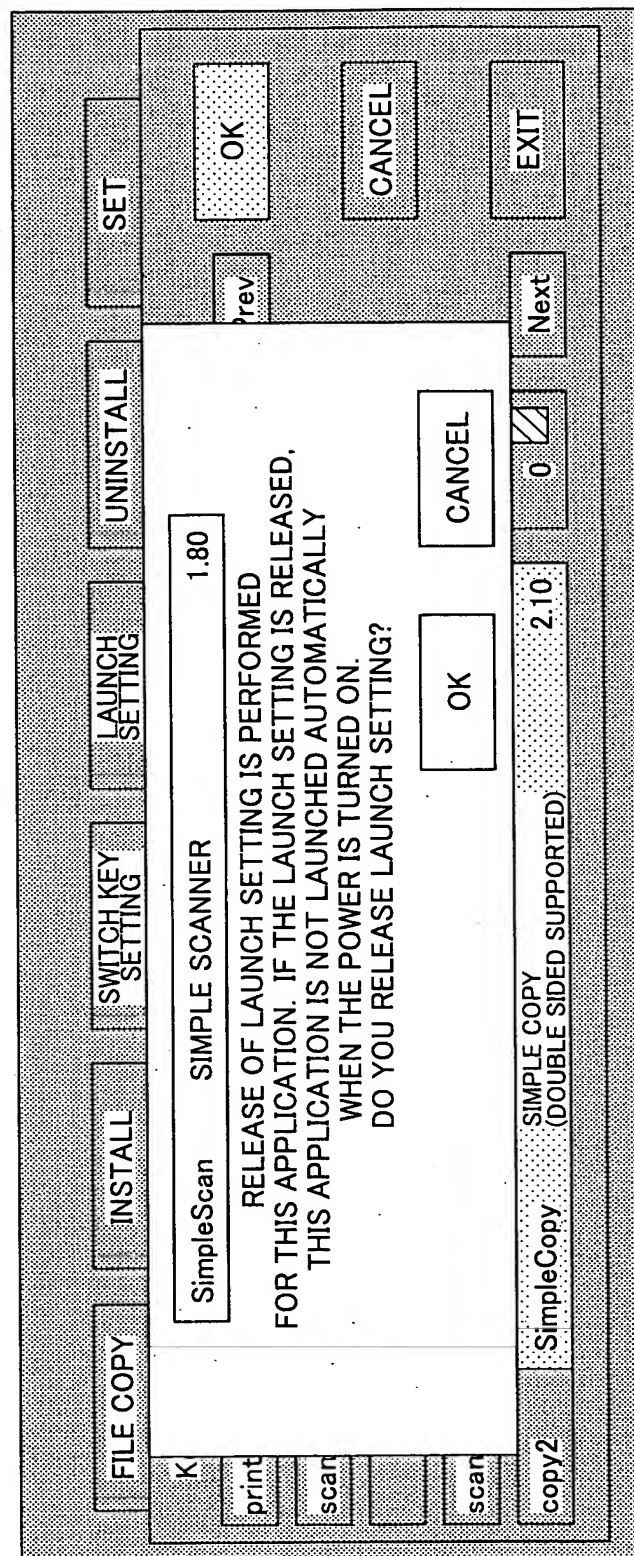


FIG.52

FILE COPY	INSTALL	SWITCH KEY SETTING	LAUNCH SETTING	UNINSTALL	SET
K	print	scan	scan	copy2	SimpleCopy
LAUNCH SETTING COMPLETED					
OK					
prev					
Next					
0					
2.10					
SIMPLE COPY (DOUBLE SIDED SUPPORTED)					
OK					
CANCEL					
EXIT					

FIG.53

LAUNCH SET APPLICATION

FILE COPY

INSTALL

SWITCH KEY SETTING

LAUNCH SETTING

UNINSTALL

SET

Key	APPLICATION NAME	DESCRIPTION	Ver.
printer2	SimplePrint	SIMPLE PRINT	2.04
scanner3	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
scanner2	SimpleScan	SIMPLE SCANNER Ver.2.0	1.80
copy2	SimpleCopy	SIMPLE COPY (DOUBLE SIDED SUPPORTED)	2.10

CONSUMED MEMORY [%]

100

75

50

25

0

Prev

OK

CANCEL

Next

EXIT

TO INITIAL
SETTING SCREEN

FIG.54

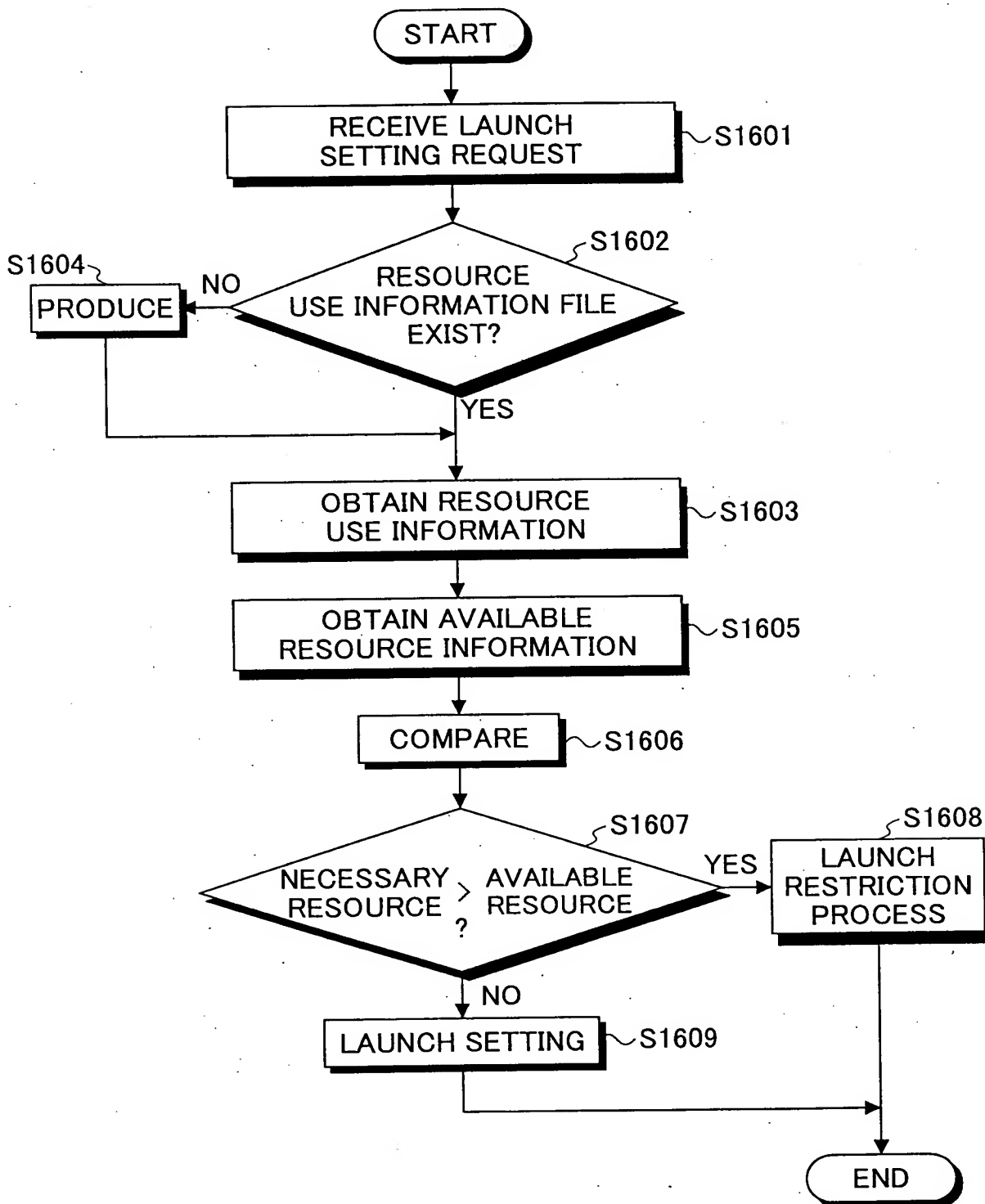


FIG.55

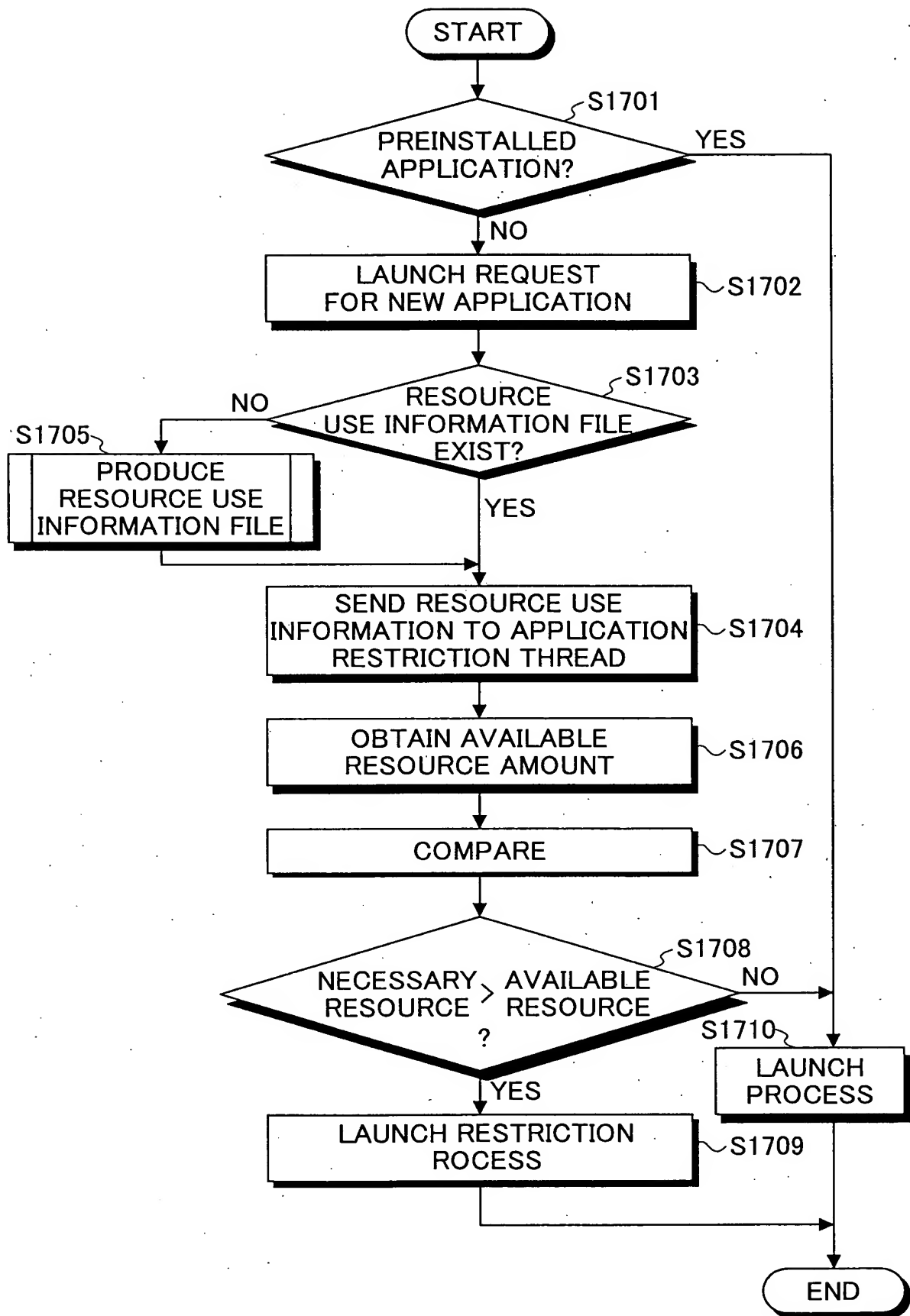


FIG.56

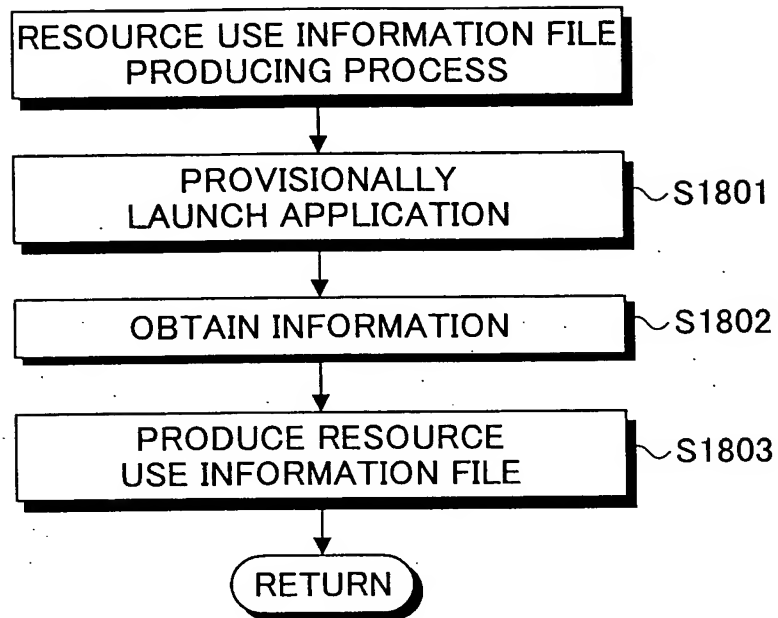


FIG.57

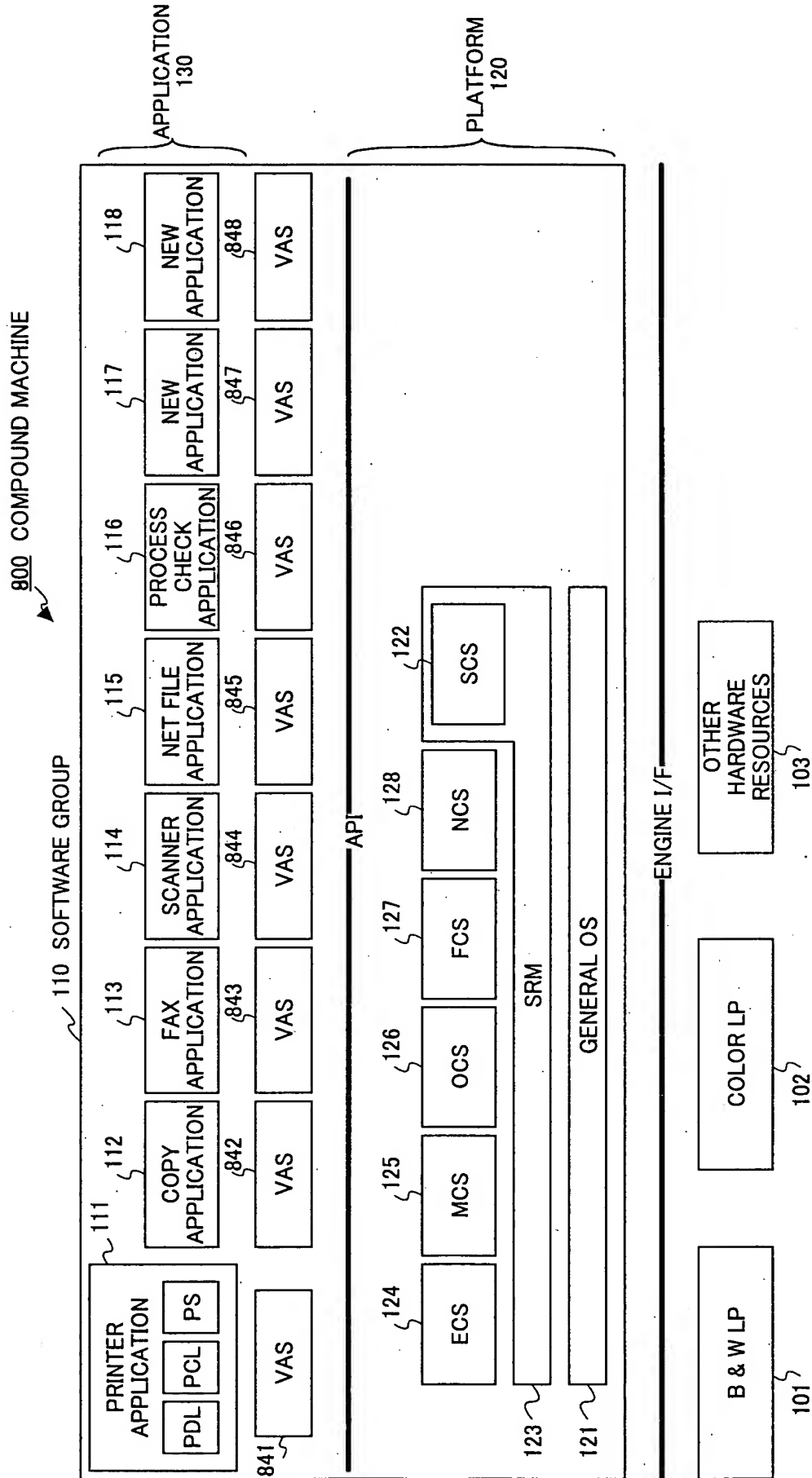


FIG.58

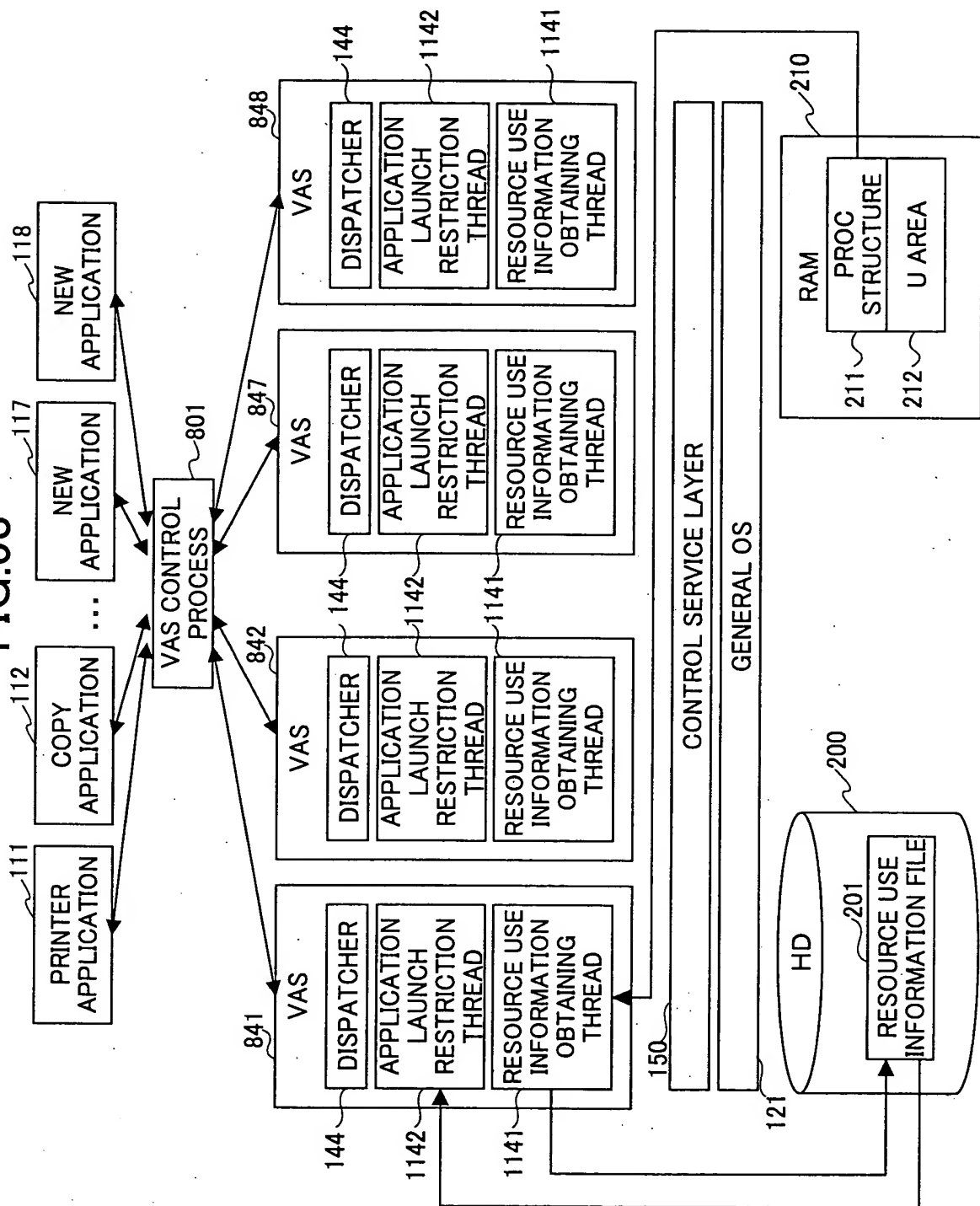


FIG.59

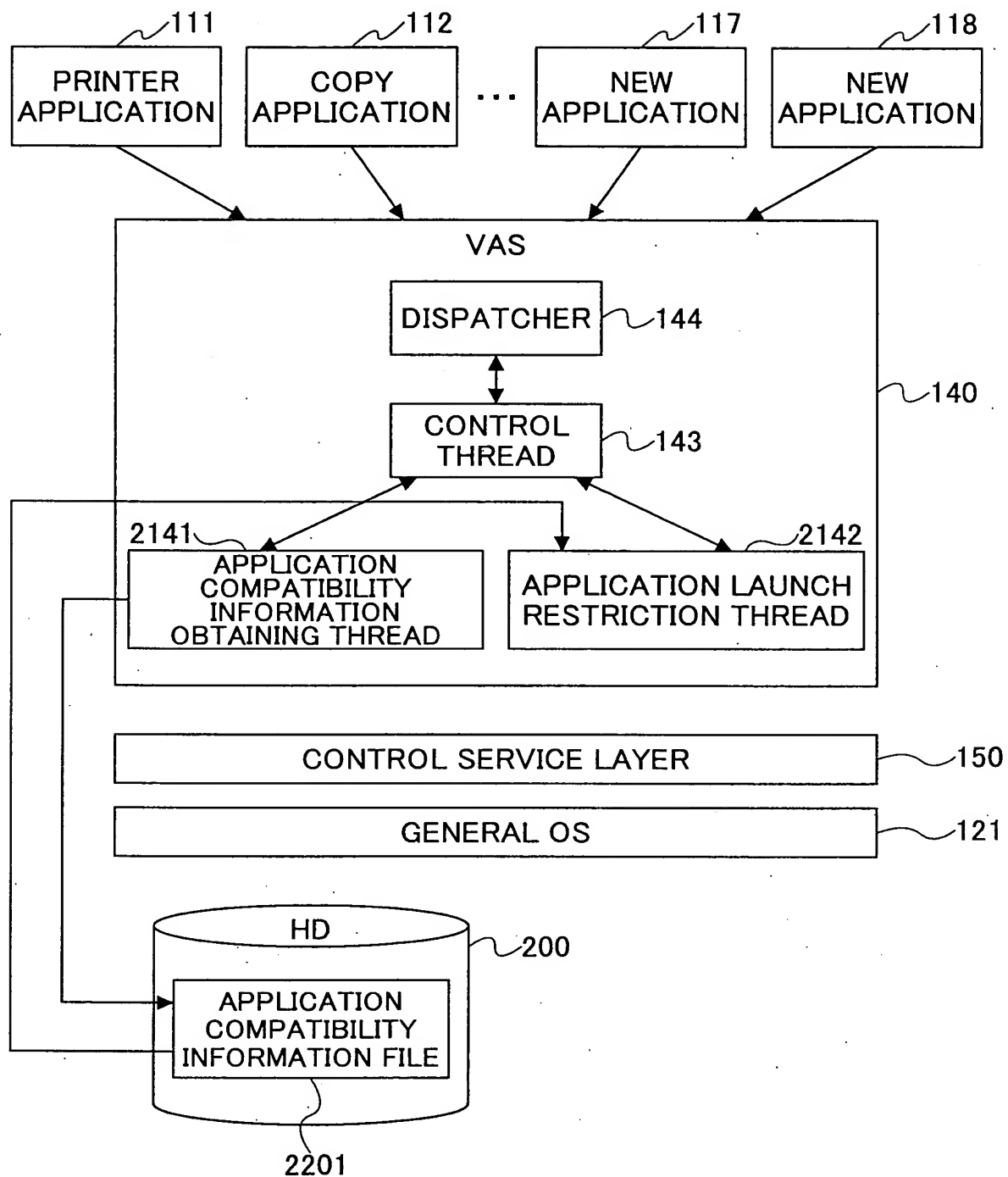


FIG.60

APPLICATION ID	INCOMPATIBLE APPLICATION ID
101	105,103
102	104
103	101
104	102
105	101

FIG.61

APPLICATION ID	ATTRIBUTE	OPERATION TARGET	APPLICATION NAME	VERSION
101	PRINTER TYPE	PRINTER	SP PRINT	1.1
102	AUTHENTICATION TYPE	OPERATION PANEL	VERIFICATION AP	2.0
103	BILLING TYPE	BILLING COUNTER	COUNT PLUS	1.01
104	AUTHENTICATION TYPE	OPERATION PANEL	AUTHENTICATION AP	1.5
105	PRINTER TYPE	PRINTER	SP PRINT	1.2
⋮	⋮	⋮	⋮	⋮

FIG.62

2210

OPERATION PANEL

2211 ~ <LAUNCH REQUEST APPLICATION LIST>

- ① SP PRINT (Ver. 1.2)
- ② VERIFICATION AP (Ver. 2.0)
- ③ AUTHENTICATION AP (Ver. 1.5)

2212 ~ <NOT LAUNCHABLE APPLICATION LIST>PLEASE SELECT A BUTTON

NAME	VERSION	ATTRIBUTE	TARGET
<input checked="" type="radio"/> VERIFICATION AP	2.0	AUTHENTICATION TYPE	OPERATION PANEL
<input type="radio"/> AUTHENTICATION AP	1.5	AUTHENTICATION TYPE	OPERATION PANEL

2213 ~

FIG.63

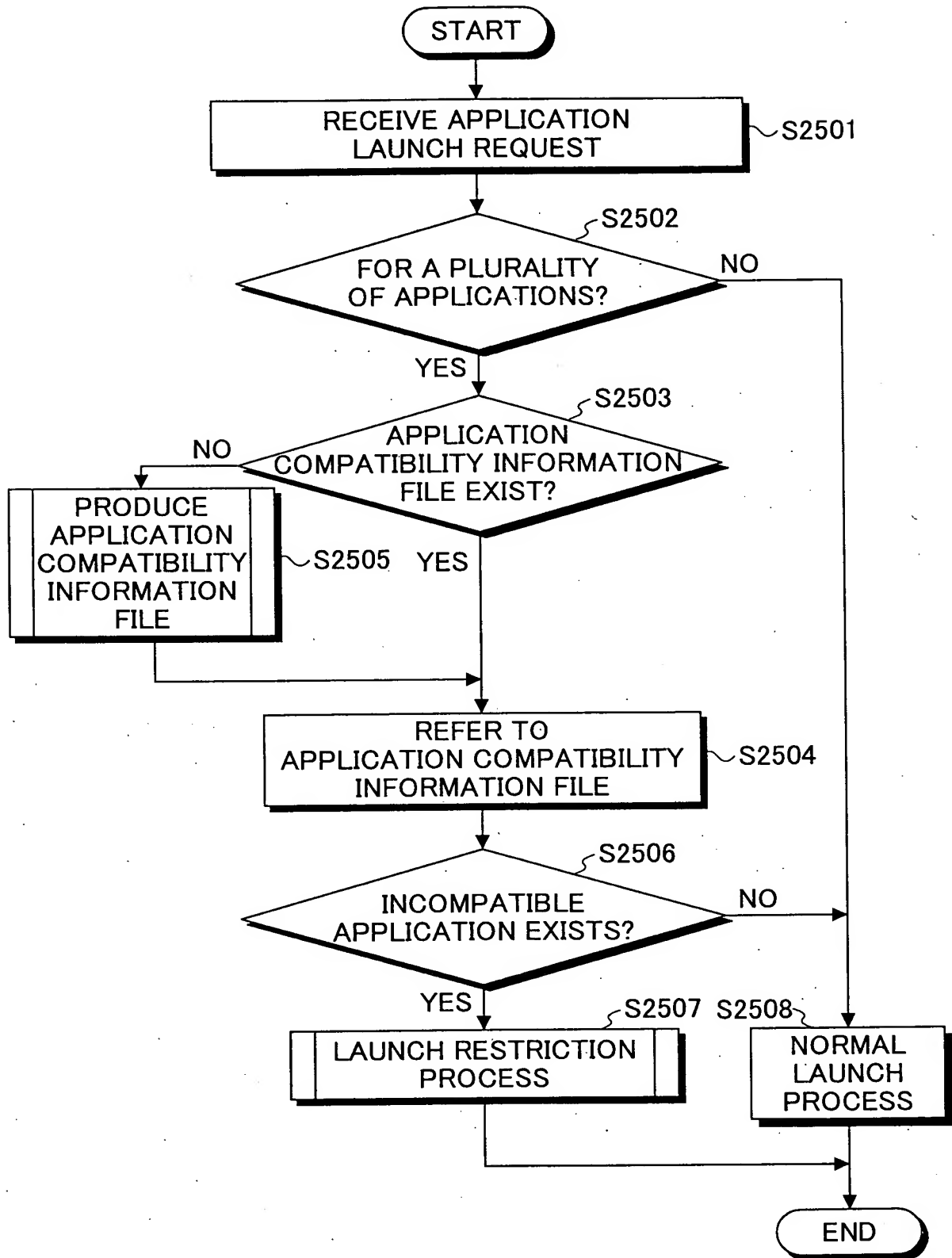


FIG.64

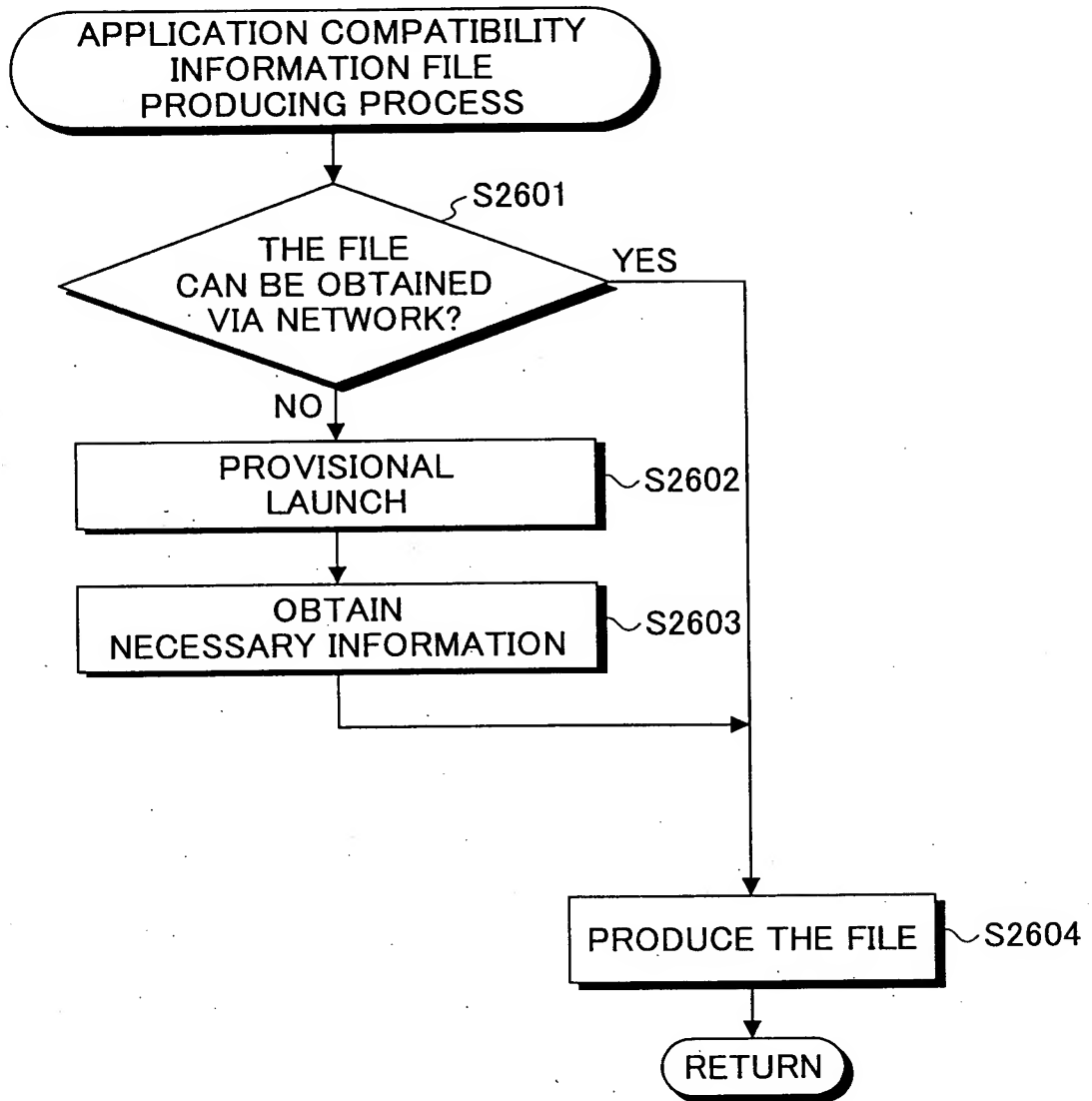


FIG.65

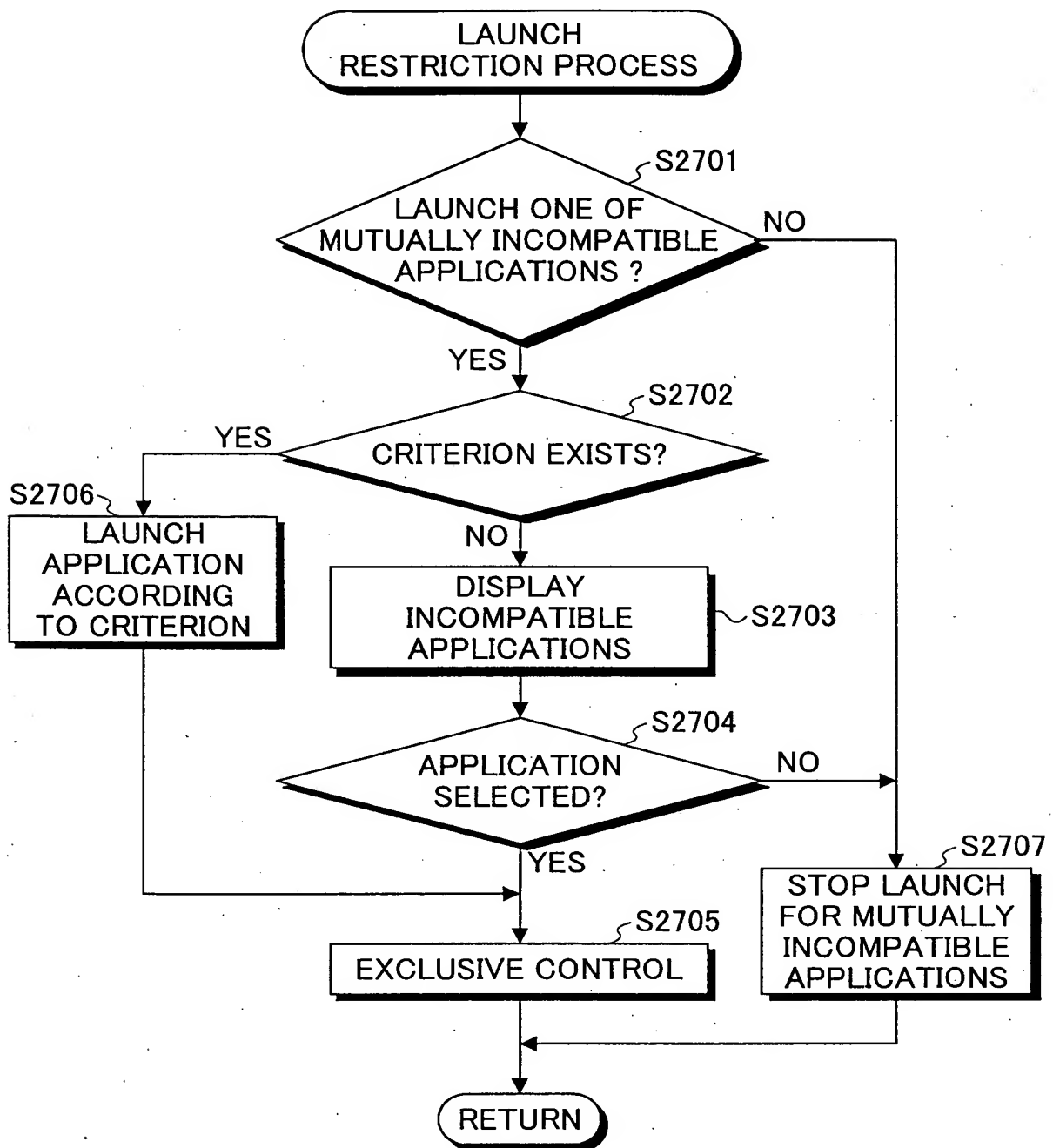


FIG.66

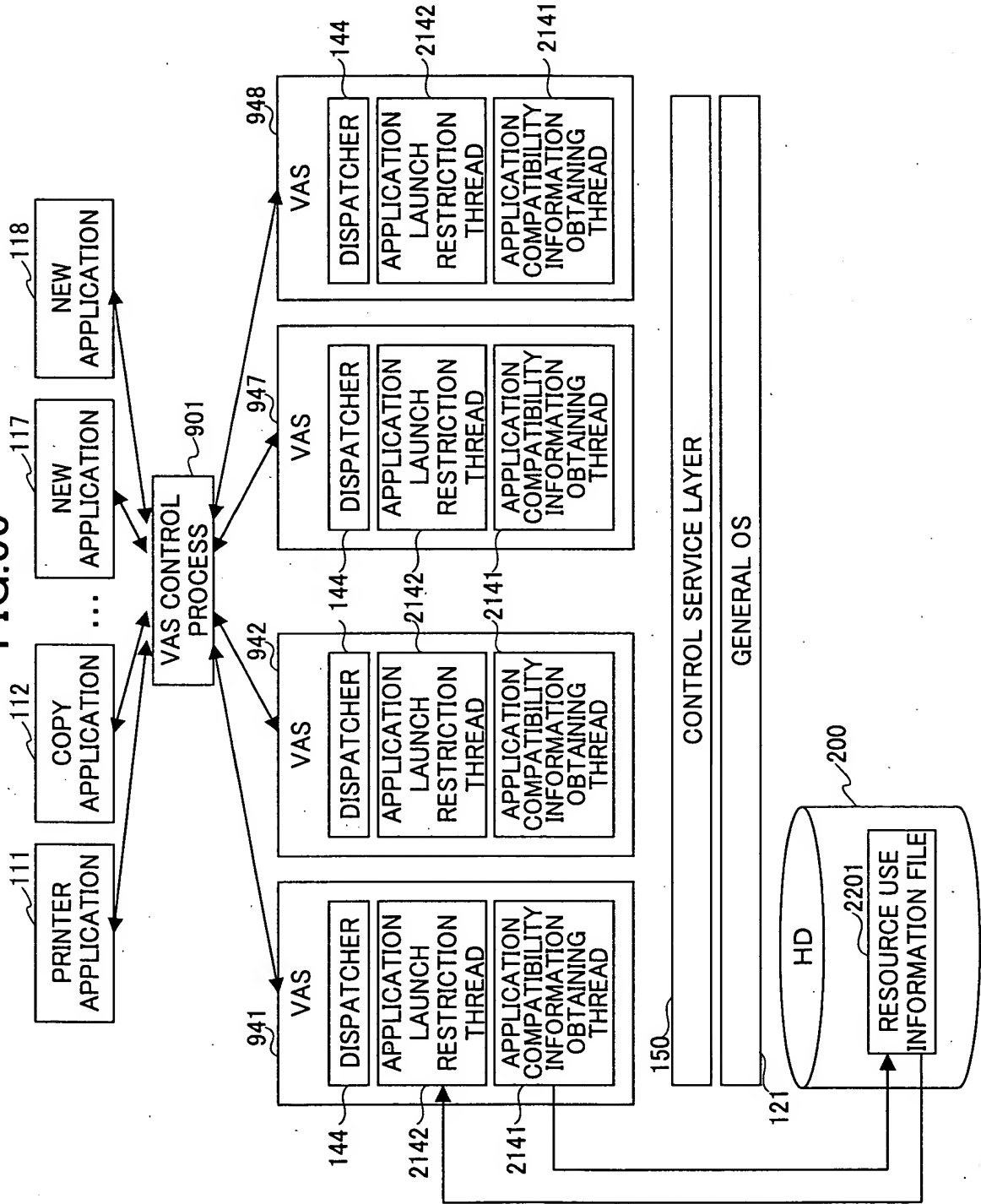


FIG.67

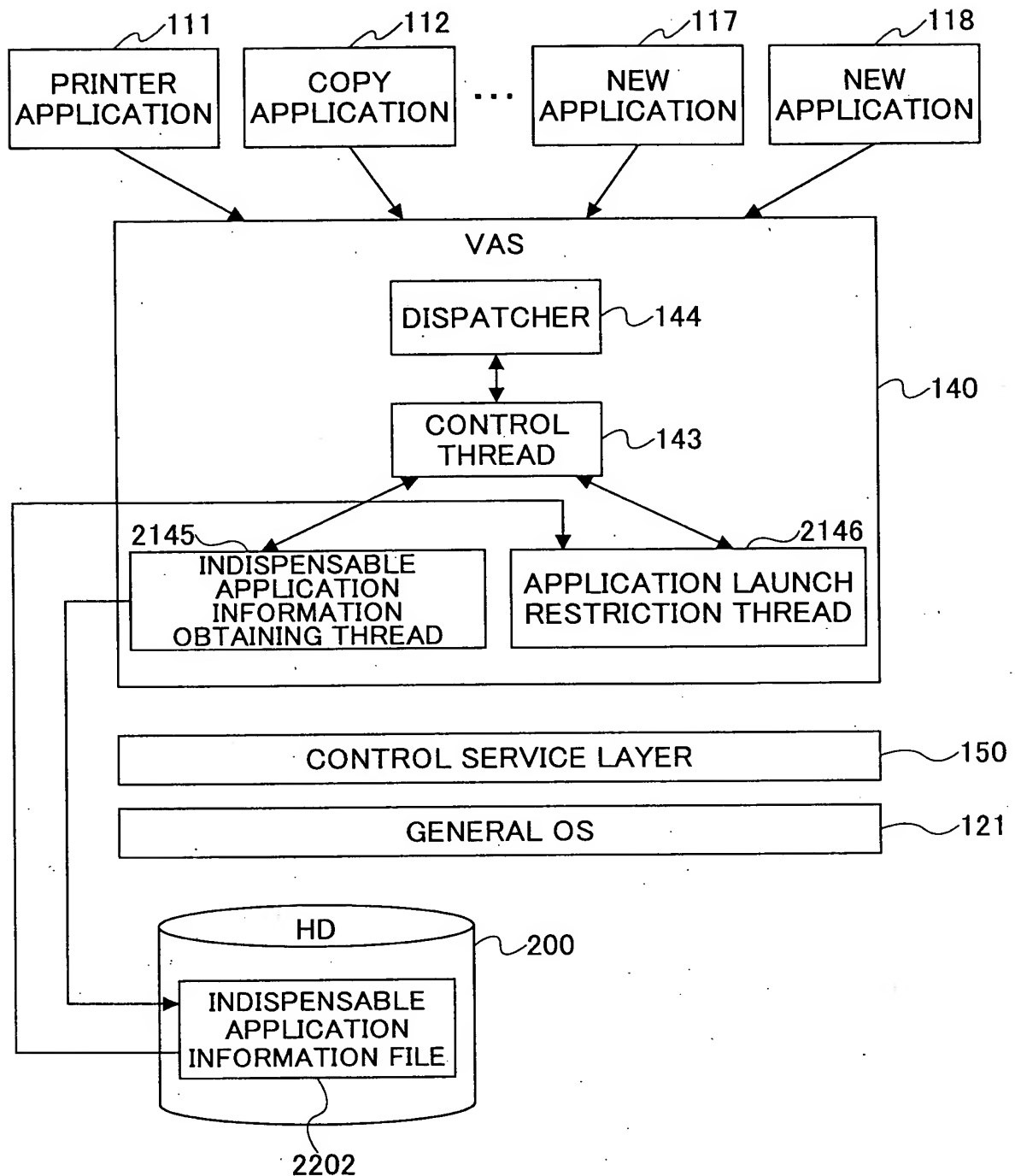


FIG.68

INDISPENSABLE APPLICATION INFORMATION FILE

APPLICATION ID	PRESENCE OR ABSENCE OF INDISPENSABLE APPLICATION	TYPE OF APPLICATION	CORRESPONDING APPLICATION ID
101	x	COPY	—
102	x	PRINTER	—
103	O	BROWSER	105
104	x	FAX	—
105	O	PLUG-IN	103
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG.69

OPERATION PANEL

[LAUNCH REQUESTED APPLICATION]	[PRESENCE OR ABSENCE OF INDISPENSABLE APPLICATION]	[INDISPENSABLE APPLICATION]	[PRESENCE OR ABSENCE OF LAUNCH]
1.BROWSER	O	PLUG-IN	x
2.PRINTER	x	—	O
<LAUNCH ERROR MESSAGE>			
PLEASE LAUNCH BOTH OF BROWSER AND PLUG-IN			

FIG.70

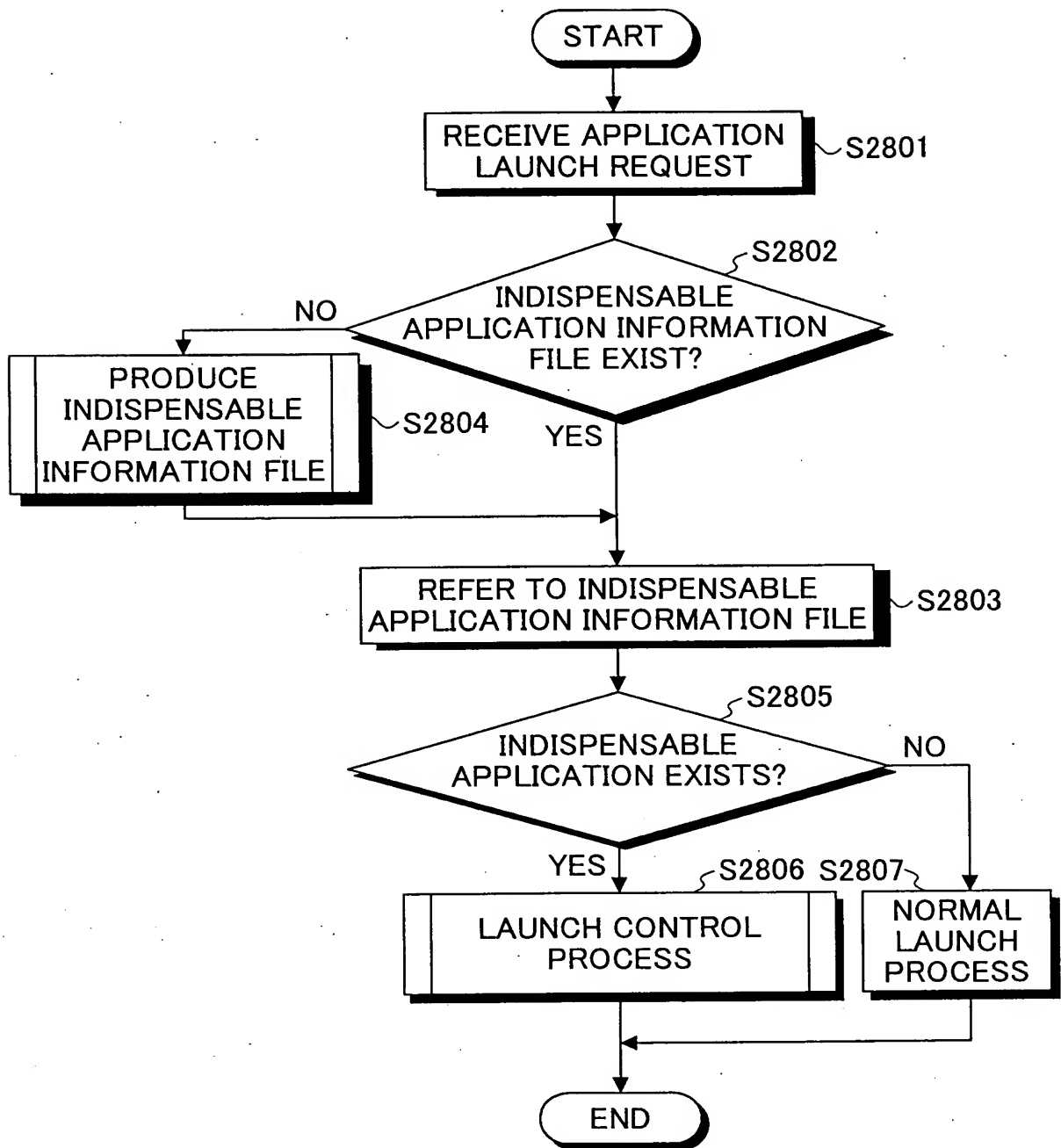


FIG.71

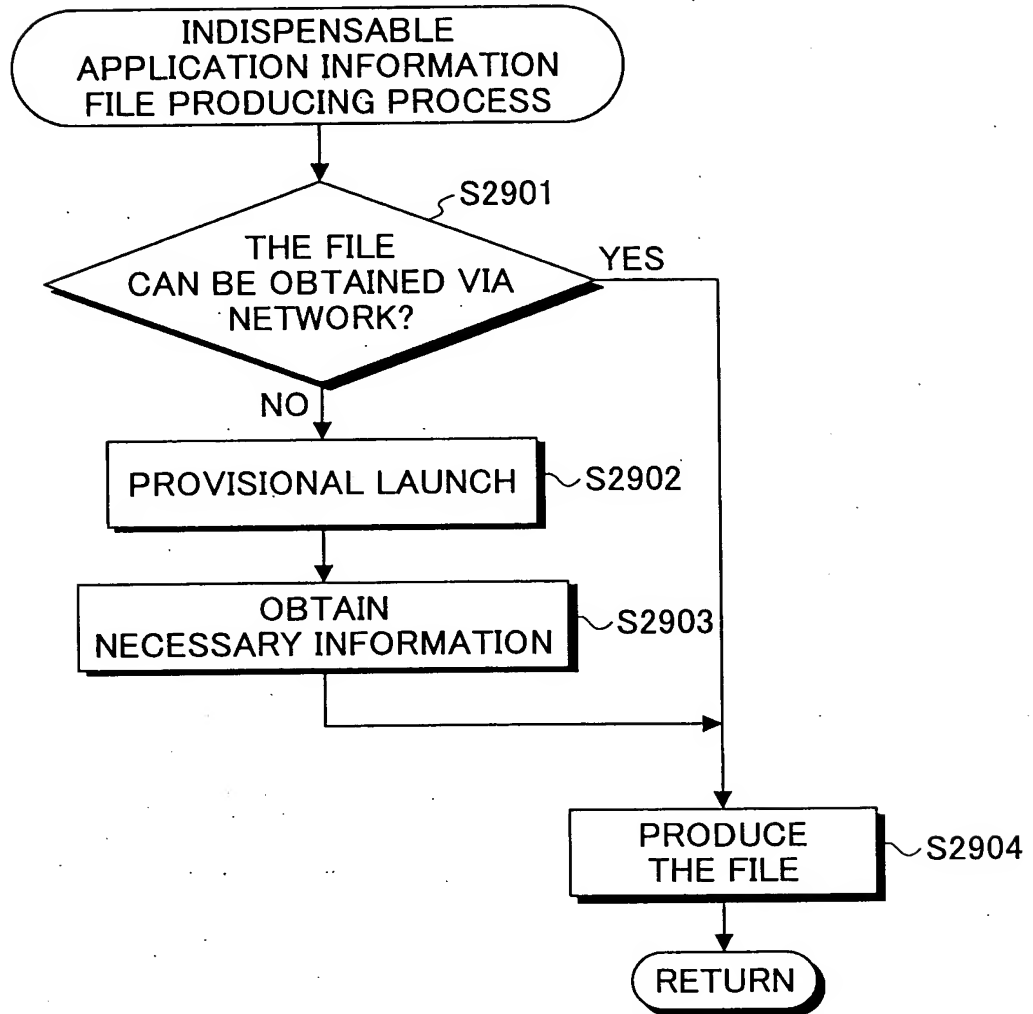


FIG.72

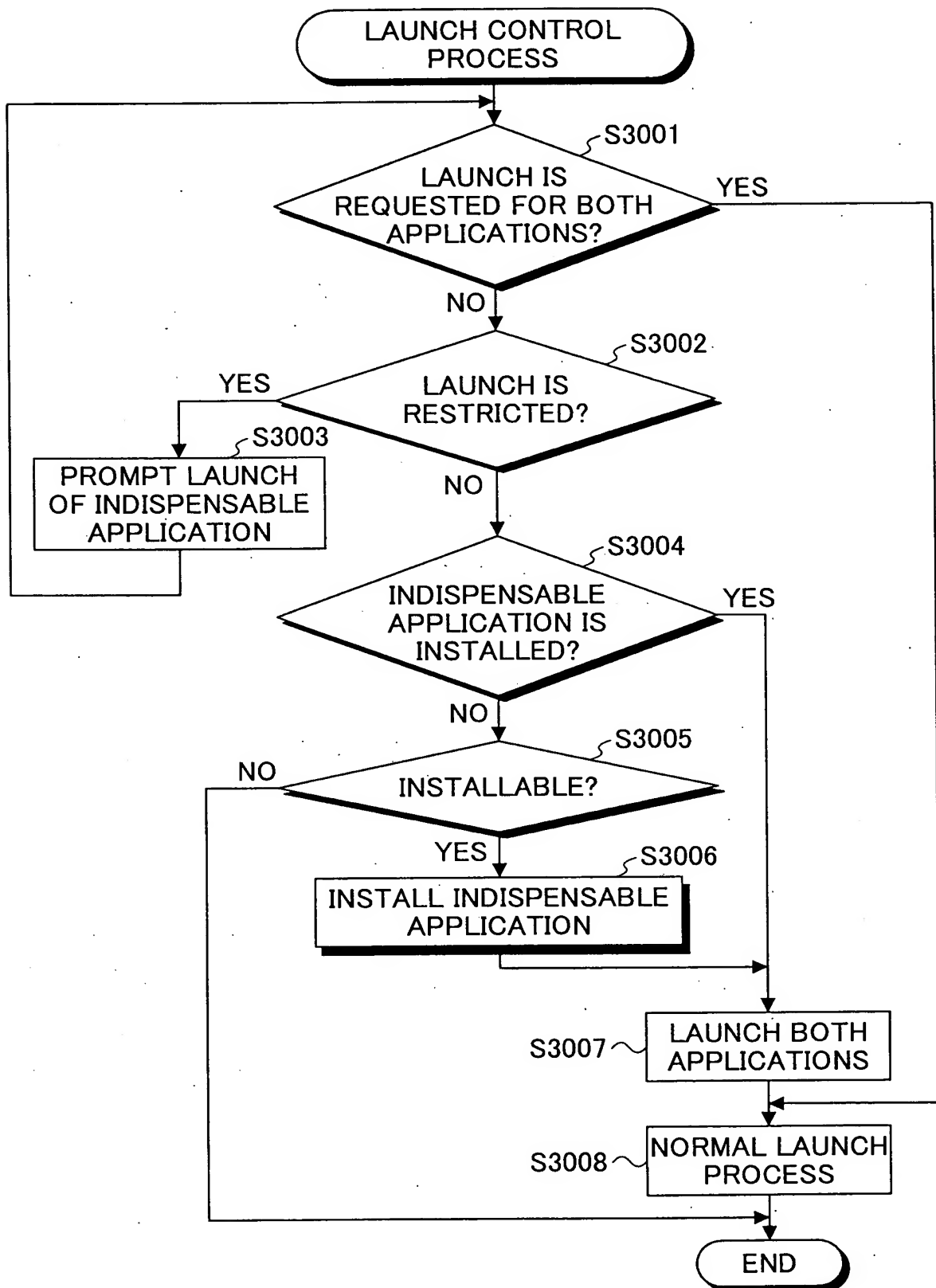


FIG.73

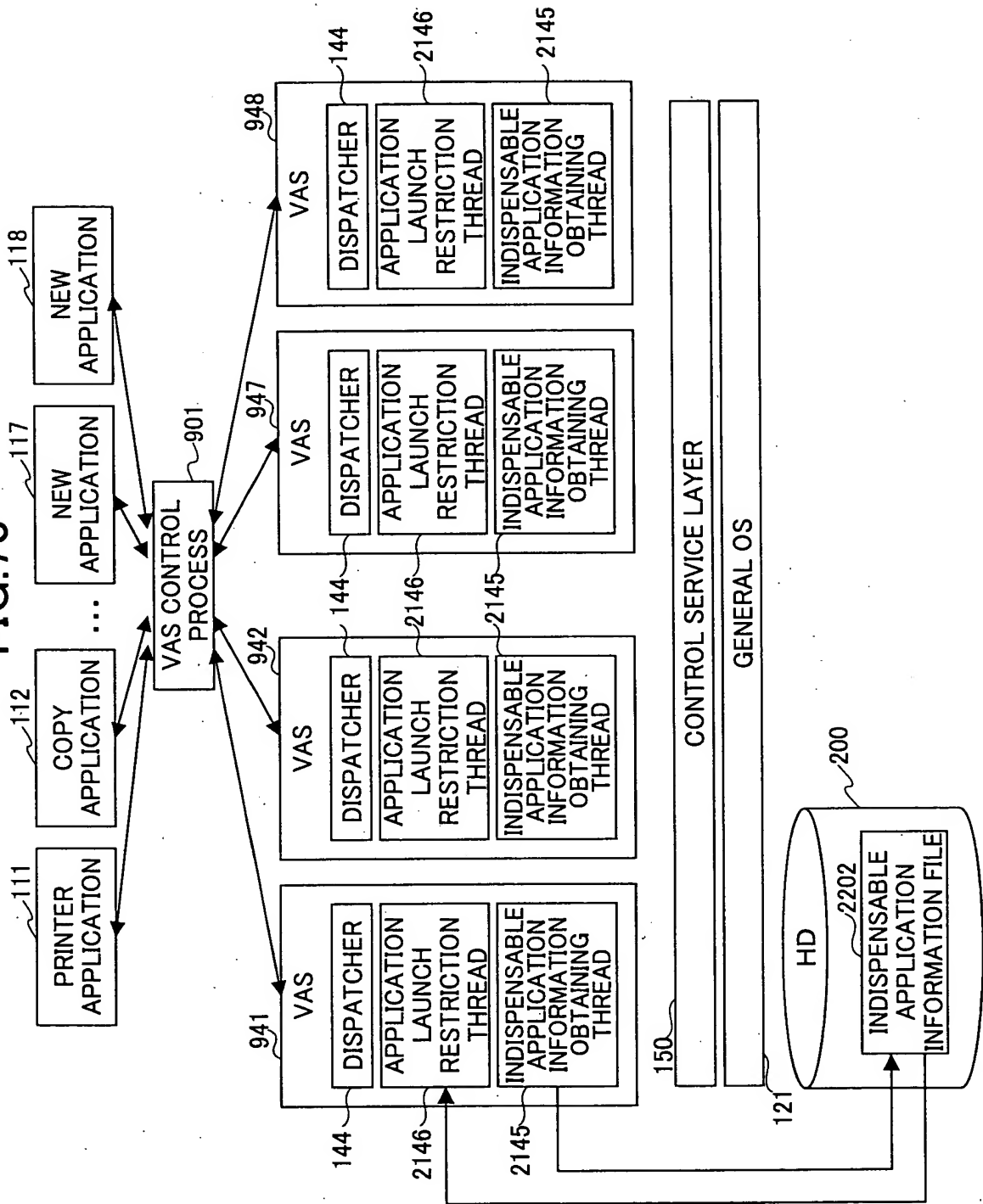


FIG.74

PRODUCT ID	APPLICATION OF INCOMPATIBLE OR INDISPENSABLE RELATIONSHIP
101	105(-3),103(+1)
102	101(-3)
103	101(+1)
104	105(-2),106(+2)
⋮	⋮

FIG.75

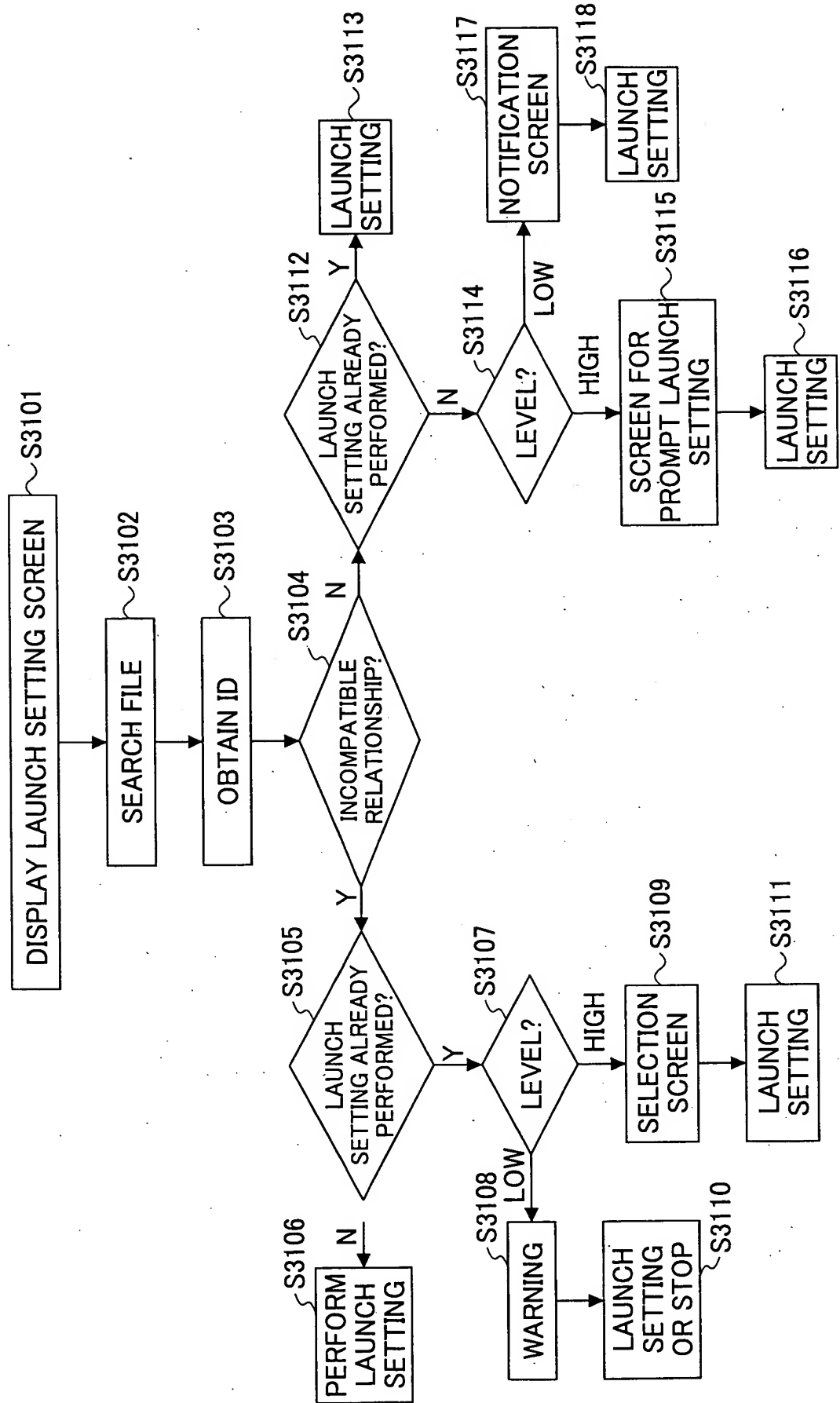


FIG.76

LAUNCH SET APPLICATION

FILE COPY

INSTALL

SWITCH KEY SETTING

LAUNCH SETTING

UNINSTALL

SET

Key	APPLICATION NAME	DESCRIPTION	Ver.
printer2	ImageBinder	SIMPLE PRINT	1.15
scanner3	SimpleScan	SIMPLE SCAN (ADF SUPPORTED)	1.91
	SimpleCopy	SIMPLE COPY (COPY AGGREGATION SUPPORTED)	3.01
scanner2	SimpleScan2	SIMPLE SCANNER Ver.2.0	2.10
copy2	New SimpleCopy	SIMPLE COPY (DOUBLE SIDED AGGREGATION SUPPORTED)	3.32

CONSUMED MEMORY [%]

100

75

50

25

0

Prev

OK

CANCEL

EXIT

Next

TO INITIAL
SETTING SCREEN

FIG.77

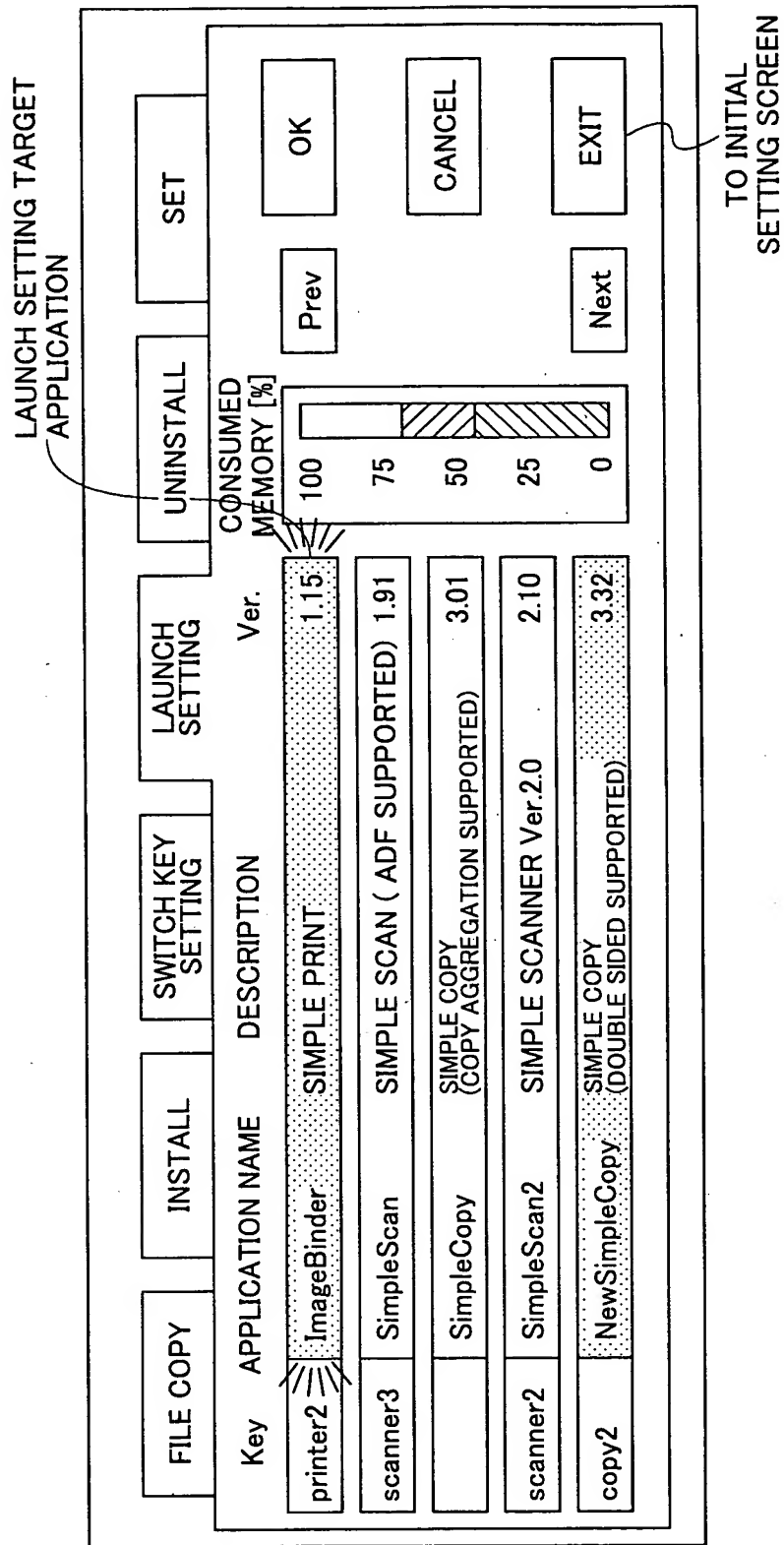


FIG.78

FILE COPY

INSTALL

SWITCH KEY
SETTING

LAUNCH
SETTING

UNINSTALL

SET

OK

print

scan

scan

copy2

SimpleScan2

SimpleScanner Ver.2.0

2.10

FOR USE SELECTED APPLICATION,

NEEDS TO BE LAUNCHED.

DO YOU PERFORM LAUNCH SETTING ADDITIONALLY?

OK

CANCEL

prev

OK

CANCEL

EXIT

Next

0

3.32

NewSimpleCopy

SimpleCopy

(DOUBLE SIDED SUPPORTED)

FIG.79

FILE COPY

INSTALL

SWITCH KEY SETTING

LAUNCH SETTING

UNINSTALL

SET

StampTool

USER STAMP ADD MODULE

1.10

TextTool

USER COMMENT ADD MODULE

1.20

OK

Prev

Next

0

3.32

Simple Copy

(DOUBLE SIDED SUPPORTED)

copy2

NewSimpleCopy

OK

CANCEL

EXIT

FIG.80

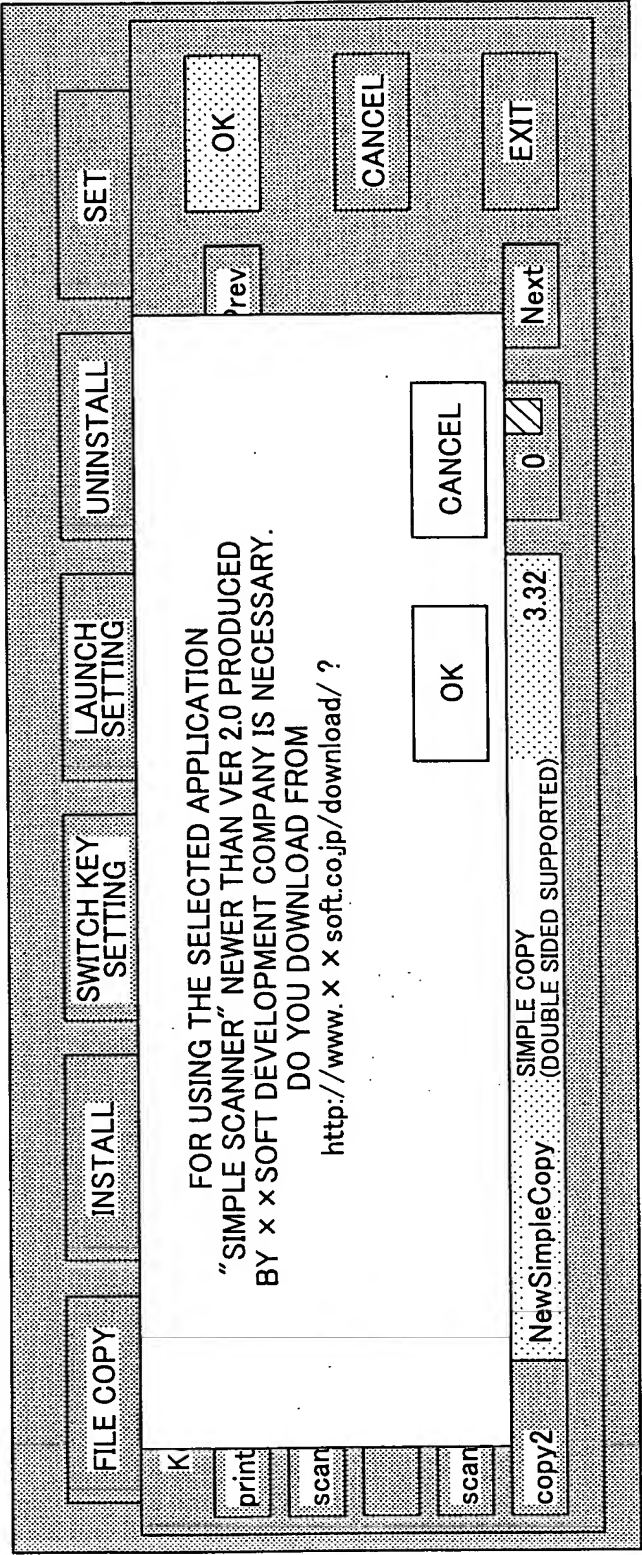


FIG.81

FILE COPY	INSTALL	SWITCH KEY SETTING	LAUNCH SETTING	UNINSTALL	SET
print	scan	scan	scan	copy2	OK
<p>FOR USING THE SELECTED APPLICATION "SIMPLE SCANNER" NEWER THAN VER 2.0 PRODUCED BY x x x SOFT DEVELOPMENT COMPANY IS NECESSARY. <CONTACT> x x x SOFT DEVELOPMENT COMPANY ADDRESS: T XXX-xxxx TEL: XXX-XXX-XXXX</p>					CANCEL
<p>Simple Copy (DOUBLE SIDED SUPPORTED)</p>					EXIT
<p>3 32</p>					Next
<p>0</p>					prev